19990609.qrp v01_n483.qrl.990609

Date: Wed, 9 Jun 1999 19:03:22 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1483

QRP-L Digest 1483

Topics covered in this issue include:

  1) [42313] 20 mtr qrp
     by bkobie@webtv.net (patrick obrien)
  2) [42314] CDRom archive thoughts
     by David J Adams <adamsclan@netgate.net>
  3) [42315] Re: Business opportunity?
     by K2UD@aol.com
  4) [42316] Field Day Special??
     by Bob Nygren <rnygren@epix.net>
  5) [42317] Re: Field Day Special??
     by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
  6) [42318] Red Hot Radio (NorCal 20)
     by "Frank Matthews" <fmathews@pilot.infi.net>
  7) [42319] KC-1 Help needed.- speed control
     by DLShips@aol.com
  8) [42320] QRP FT-7 is Gone
     by Terry Bendell <terryb@bmts.com>
  9) [42321] Got my Y2K Blue Racer!!!
     by "Ed Tanton" <n4xy@att.net>
 10) [42322] NorCal Cap Kit arrives in Cajunland
     by James R Giammanco <n5ib@juno.com>
 11) [42323] sst-20, Norcal40A FS or Trade
     by "Kelly Ellison" <kelman@dialnet.net>
 12) [42324] RE: 2020
     by aweiss@usd.edu (Ade Weiss W0RSP)
 13) [42325] Re: Business opportunity?
     by "Bob Duckworth" <wb4mnf@atl.org>
 14) [42326] RE: 2020
     by Ron Stark <ku7y@dri.edu>
 15) [42327] Re: 2020
     by Thomas Kuehl <ac7a@uswest.net>
 16) [42328] Re: Got my Y2K Blue Racer!!!
     by Jay Bromley <w5jay@alltel.net>
 17) [42329] Re: Business opportunity?
     by Goran Hosinsky <hosinsky@royac.iac.es>
 18) [42330] AW: 2020
     by "Peter Zenker" <Peter_DL2FI@csi.com>
 19) [42331] Cap kit arrived Tokyo

    by "Toru Kato" <jg1rvn@inv.co.jp>
20) [42332] ***NEW URL and Products
    by wpc@west.net (John L. Roblin / Whiterook Products Co.)
21) [42333] W8MVN Antenna Article
    by k5zty@juno.com
22) [42334] Re: Business opportunity?
    by wd8civ@att.net
23) [42335] Re: Power Supply for Kits
    by Philip Karras <ke3fl@yahoo.com>
24) [42336] Fw: Business opportunity?
    by "wayne reed" <wlreed@viaduct.custom.net>
25) [42337] help-need MC34119 chip
    by Wes Spence <ac5k@ih2000.net>
26) [42338] Large format photographs?
    by Zack Lau <zlau@arrl.org>
27) [42339] Tuna Tin II -- WOW!
    by James Owen <owen@piper.eeel.nist.gov>
28) [42340] AR QRP 40m net tonight
    by Robsparks@aol.com
29) [42341] ElmeRadio Mods (long)
    by Bruce Kizerian <kizerian@ced.utah.edu>
30) [42342] VE3DNL Marker Kit
    by bcutter@teal.csn.net (Bob Cutter)
31) [42343] Re: Tuna Tin II -- WOW!
    by "Edward A Kwik jr" <eakwikjr@hti.com>
32) [42344] Resend: QRP-L CDs v2.0 available here
    by Jeff Logullo <jeff.logullo@Central.Sun.COM>
33) [42345] Re: Tuna Tin II -- WOW!
    by Chris Cartwright Sr <ccart@phideaux.com>
34) [42346] Re: Front Panel Overlay for NC20
    by George F Franklin <w0av@juno.com>
35) [42347] Re: Large format photographs?
    by wd8civ@att.net
36) [42348] HamCom weather report
    by kreinbd@ccgate.dl.nec.com (David Kreinberg)
37) [42349] Re: 2020
    by "Ed Hare, W1RFI" <w1rfi@arrl.net>
38) [42350] Propagtion thoughts
    by Jeff <fantbb@yahoo.com>
39) [42351] Re: Propagtion thoughts
    by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
40) [42352] Re: HamCom weather report
    by "Chuck Adams K5FO" <adams@ticnet.com>
41) [42353] Where to send TAC logs?
    by Clifton W Sikes <ab5uacw@juno.com>
42) [42354] Re: KC-1 speed control - problem solved
    by DLShips@aol.com
43) [42355] Re: CDRom archive thoughts

    by Roger Hightower <n7kt@earthlink.net>
44) [42356] Re: Business opportunity?
    by "Steven Weber" <kd1jv@moose.ncia.net>
45) [42357] Re: Tuna Tin II -- WOW!
    by "Steven Weber" <kd1jv@moose.ncia.net>
46) [42358] Shear Critter
    by "Chuck Adams K5FO" <adams@ticnet.com>
47) [42359] QRP-L CD Version 3.0 Call
    by "Chuck Adams K5FO" <adams@ticnet.com>
48) [42360] Re: HamCom weather report
    by "Joe spencer" <joes@tcjc.cc.tx.us>
49) [42361] TAC Contest Score AB8DF
    by "Edward A Kwik jr" <eakwikjr@hti.com>
50) [42362] Re: 2020
    by Ken Edwards <ken.edwards@oit.gatech.edu>
51) [42363] Antique Radio Display
    by "Denis Englander" <ko6gf@slip.net>
52) [42364] Re: Propagtion thoughts
    by Dave Sjolin <sjolin@swbell.net>
53) [42365] TOEW Grid Contest
    by Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>
54) [42366] Re: Business opportunity?
    by wd8civ@att.net
55) [42367] Re: TOEW Grid Contest
    by Allan G Taylor <k7gt@qsl.net>
56) [42368] Re: Propagtion thoughts
    by "Steve Yates, AA5TB" <aa5tb@swbell.net>
57) [42369] TOEW Contest mistake! SSB this weekend
    by Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>
58) [42370] Re: Shear Critter
    by sergio <sruiz@bright.net>
59) [42371] RE: Antenna question
    by "Kory Hamzeh" <kory@avatar.com>
60) [42372] QRP Kit Specs, a suggestion how the ARRL can Contribute to QRP
    by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
61) [42373] TOEC Grid contest in August
    by Allan G Taylor <k7gt@qsl.net>
62) [42374] Kitchin on the ElmeRadio
    by Bruce Kizerian <kizerian@ced.utah.edu>
63) [42375] Fw: Archive Disk
    by "George F. Allgood" <k4pym@carol.net>
64) [42376] Re: QRP Kit Specs, a suggestion how the ARRL can Contribute to QRP
    by Scott Gregson - KC7MAS <emtech@steadynet.com>
65) [42377] Re: Shear Critter
    by wd8civ@att.net
66) [42378] Super Efficient Amp
    by Larry East <w1hue@amsat.org>
67) [42379] Re: Large format photographs?

    by "Brad Bradfield, PE" <b_bradfield@yahoo.com>
 68) [42380] Re: QRP Kit Specs, a suggestion how the ARRL can Contribute to QRP
    by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
 69) [42381] Re: Propagtion thoughts
    by Jeff <fantbb@yahoo.com>
 70) [42382] Re: QRP Kit Specs, a suggestion how the ARRL can Contribute to QR
    P
    by "Tracy, Michael, KC1SX" <mtracy@arrl.org>
 71) [42383] Re: Power supply question for kits?
    by Laura Halliday <lha@sdr.utias.utoronto.ca>
 72) [42384] Re: Propagtion thoughts
    by Chris Cartwright Sr <ccart@phideaux.com>
 73) [42385] Re: TOEW Grid Contest
    by "Chuck Carpenter" <w5usj@globeco.net>
 74) [42386] K2 manual now available in PDF format
    by Eric Swartz WA6HHQ - Elecraft <erics@elecraft.com>
 75) [42387] Hamcomm Award Presentation
    by "Ed Manuel (N5EM)" <n5em@flash.net>
 76) [42388] Re: Power supply question for kits?
    by wd8civ@att.net
 77) [42389] copper clad laminate - meeeowza!
    by sergio <sruiz@bright.net>
 78) [42390] K2 Portable in Switzerland
    by Jerry Henshaw <jhenshaw@bellsouth.net>
 79) [42391] Speaking of S&S Engineering,
    by K2UD@aol.com
 80) [42392] Re: copper clad laminate - meeeowza!
    by "Richard Brummer" <obvious@bestweb.net>
 81) [42393] Re: copper clad laminate - meeeowza!
    by Tim Ahrens <tahrens@hilconet.com>
 82) [42394] AW: Speaking of S&S Engineering,
    by "Peter Zenker" <Peter_DL2FI@csi.com>
 83) [42395] AW: K2 Portable in Switzerland
    by "Peter Zenker" <Peter_DL2FI@csi.com>
 84) [42396] Re: K2 Portable in Switzerland
    by "Chris Cieslak" <ccieslak@law.uiuc.edu>
 85) [42397] Re: K2 Portable in Switzerland
    by "Jim Nestor" <nestoji@home.com>

Date: Tue, 8 Jun 1999 18:11:53 -0500 (EST)
From: bkobie@webtv.net (patrick obrien)
To: qrp-l@lehigh.edu
Subject: [42313] 20 mtr qrp
Message-ID: <5656-375DA339-3683@postoffice-141.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII

Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

tnx for the replies on 20 mtr qrp xcvrs
have narrowed it down to two units
looking for a
ten tec 20 mtr qrp
or
mfj 20 mtr qrp xcvr
qsl k8len/pat

Date: Tue, 8 Jun 1999 16:29:06 -0700 (PDT)
From: David J Adams <adamsclan@netgate.net>
To: qrp-l@lehigh.edu
Subject: [42314] CDRom archive thoughts
Message-ID: <199906082329.QAA20638@u1.netgate.net>

Greetings! I burnt my 60th qrp archive CD this morning. After a few
more, I finished the last requested disk. So as of tomorrow AM (after
labelling and stuffing the last 12), all requested disks will have
been shipped. For those of you who are interested in such things:

1) The overwhelming majority of those requesting CDs went route A
2) Those who sent a new (non-priority mail) mailer, not only included enough
postage, but generally put about twice what was necessary.
3) Of all the priority mail envelopes I received (okay...only 7 of them), only
one included the proper postage of $3.20. The others placed $2.80 or $3.00.
Not a problem, I covered it.
4) Everyone who sent a CD and requested that I reuse the mailer in which it
was sent (only 4 here) taped and/or stapled them to the point where they
could not be opened without destroying them.
5) EVERYBODY and I mean EVERYBODY sent a note saying thank you. It was much
appreciated.
6) All disks were tested on a non-multiread cdrom drive on my wifes
computer prior to shipping. By testing, I simply mean opening the start file
and then looking at 3 randomly selected links (1 from the archives, one from
the k5fo stuff and one from the elmer stuff).

So, my ROM burner is officially free. If anybody needs/would like
a copy of the disk:

Route A - Send me a blank CDR and a SAS mailer. I'll burn and return
Route B - Send $10 and I'll supply all

David Adams
619 Alamo Ct #410
Mountain View CA 94043

73 de dave, n9uxu

Oh...greatest DX request for CDRom....China....

Date: Tue, 8 Jun 1999 21:15:14 EDT
From: K2UD@aol.com
To: qrp-l@lehigh.edu
Subject: [42315] Re: Business opportunity?
Message-ID: <88d4458.248f1a22@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

If enough QRPers would send me a dollar each, let's say about 525 of you, I could end up with a PCB shear and would be really happy to provide pre-cut copper boards and pads of all shapes and sizes.

Seriously folks, I lost out on an opportunity to own said shear a couple of years ago for gratis, an effort that I continue to kick myself in the chair/operator interface for. I had seriously considered purchasing one of late, but determined that there were other delights that I could use instead like bugs, rigs, funny looking bicycles, food and such.

The next effort is to entice a photographer/frame maker I know to make many pads on his razor sharp shearing device (it is really on the cutting edge) since the only shear I have access to is rather dull.

Group buy here? I'd be glad to keep a shear at my QTH and put it to good use for the group! Send your dollars to......

72

Howard Kraus, K2UD

Date: Tue, 08 Jun 1999 21:20:57 -0400
From: Bob Nygren <rnygren@epix.net>
To: qrp-l@lehigh.edu
Subject: [42316] Field Day Special??
Message-ID: <375DC179.9BB3CBCB@epix.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang!
     Gearing up for Field Day, (well after this weekends VHF contest.) A couple of years ago I built a 2 element 20 meter beam with twin lead used for folded dipole elements, both elements driven. I'd like to try one for 40 meters, but cant find any reference to it. I'm sure it was in an old QST. Can anyone help??

73, Bob N3RN

Date: Tue, 8 Jun 1999 22:17:56 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Bob Nygren <rnygren@epix.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42317] Re: Field Day Special??
Message-ID: <Pine.GSO.4.10.9906082215540.28778-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

You are likely thinking of Roy Lewallen's Field Day Special, June, 1984 QST, pages 21-24. It should scale to 40 meters very well.

-73-

LB, W4RNL

Date: Tue, 8 Jun 1999 22:19:13 -0400
From: "Frank Matthews" <fmathews@pilot.infi.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [42318] Red Hot Radio (NorCal 20)
Message-ID: <000c01beb21e$7844f260$080961d1@fmathews>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Fellow QRPers,

    As most of you know Red Hot Radio recently announced the availability of their 20M QRP rig. I would be interested in how many of us ordered one and upon receipt how things are going with respect to building, calibrating, and etc. I don't think they have "hit the streets" yet but from an earlier post it sounds like they may be going out this week.

    The contest is on.....who will be the first to receive their new kit! :-)

72, Frank

fmathews@pilot.infi.net

Date: Tue, 8 Jun 1999 22:45:04 EDT
From: DLShips@aol.com
To: qrp-l@lehigh.edu (QRP-L)
Cc: DLShips@aol.com
Subject: [42319] KC-1 Help needed.- speed control
Message-ID: <6dec8ffc.248f2f30@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Fellow QRP'ers,

I'm in the process of trying to solve a speed control problem with a KC-1 in a Norcal 40-A. I'm doing this as a favor for a friend. All of the functions of the KC-1 are ok but the code speed appears to be stuck at ~ 12 wpm. and while soliciting the speed in the command mode I get a cut zero (t). The speed pot is ok but I get a constant 5 volts on pin 17 of U1 (RA0). Looking at the schematic I would expect the voltage to vary on pin 17 as R1 is varied.

Has anyone had this problem and what was done to solve it ? Your help is greatly appreciated. Many tnx..

73 es 72 de Don, W3RDF/qrp (dlships@aol.com)

Date: Wed, 09 Jun 1999 11:03:07 +500
From: Terry Bendell <terryb@bmts.com>
To: <qrp-l@Lehigh.edu>
Subject: [42320] QRP FT-7 is Gone
Message-ID: <199906090306.XAA22063@Alice.BMTS.Com>
MIME-Version: 1.0

The Yaesu FT-7 Has been Spoken for,
Thanks for your Offers and questions

see you on 30!

p.s. is the Ramsey 30 meter tx/rx combo any good?

Terry

QRPp - Only the weakest survive

Date: Tue, 8 Jun 1999 23:09:17 -0400
From: "Ed Tanton" <n4xy@att.net>
To: "CW Reflector" <cw@qth.net>
Cc: "QRP-L Reflector" <qrp-l@Lehigh.EDU>
Subject: [42321] Got my Y2K Blue Racer!!!
Message-ID: <006501beb225$7601b4f0$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I received my Y2K Vibroplex Blue Racer, SN 104553, today, and it's
absolutely GORGEOUS!!! Best looking new key/CW product I have seen in years!
I can't imagine why anyone would want a chrome base "Deluxe" version of this
key... the Blue Wrinkle paint job is just marvelous!!!

Preliminary playing around got it set pretty well, once my
very-non-mechanical-self figured out the various screws and things. I could
have read the directions, and I DID have to look at the picture several
times, but it is the sweetest keying Vibroplex Bug I have ever played with,
PERIOD! And as good as anybody's-which, believe me, is a huge compliment
coming from me, with my fondness for my several excellent GHD Bugs (that I
like the feel of VERY much), and other Vibroplex models.

I am going to try and take a high resolution (35mm film/Nikon F4S/etc.) photo of it together with my 1919 Japanned Base Blue Racer. I'll try and get someone local-starting with Wolf Camera-to do a hi-rez jpg scan of the best several pictures-if there are any! I think it would be a really sweet photograph-and would make a great photo QSL, I think, as my main QSL. And of course I'll send a copy/8x10/etc. to Mitch, in case he'd like to have one, or better yet USE it in an ad or something!

Obviously: I sure am tickled with it-both its looks AND its performance. Just beautiful!!!

And in case it needs saying: I called and reserved mine like everybody else-and paid full price.

72 / 73 Ed N4XY   email: <n4xy@arrl.net>

Date: Tue, 8 Jun 1999 21:13:46 CDT
From: James R Giammanco <n5ib@juno.com>
To: qrp-l@Lehigh.edu
Subject: [42322] NorCal Cap Kit arrives in Cajunland
Message-ID: <19990608.211353.7511.2.N5IB@juno.com>

Thanks Doug, Jim, et al... great job!

A former Ohmite "Little Devils" 80 slot resistor cabinet now neatly snuggles C's instead of R's

Question - could you post a list of the Mouser, or manufacturer, or other, part #s that were selected, so that when replenishing stocks or filling in intermediate values we could be more assured of getting the same physical size part. Reading the fine print of catalogs I'm never quite certain I've interpreted lead spacings, body dimensions and so on...

Tnx agn es 72

Jim N5IB
Baton Rouge, LA

_____
Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
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Date: Tue, 8 Jun 1999 23:10:07 -0500
From: "Kelly Ellison" <kelman@dialnet.net>
To: <qrp-l@Lehigh.EDU>
Subject: [42323] sst-20, Norcal40A FS or Trade
Message-ID: <199906090411.XAA21575@dialnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello,

Finally found a Sierra, so will not need my Wilderness SST-20. Nice little Packpack rig. Amazing little thing..
Asking $70.00 and help with shipping. (OBO)

Also have a very nice Wilderness Norcal 40A. Good construction job, has KC1 installed but needs to be hooked up to the
40A ... didn't get that far. $130.00 plus help with Shipping (good deal).
 Bought at Dayton last year.

Will entertain trades on QRP tuners, HF handheld, Keyer Paddles, Heil Microphones, or other stuff you may tempt me with.

Email direct for additional details. This will be my last horse tradin' post on QRP-l for now since I found a Sierra and now my life is complete.
Thanks Everyone!

Kelly Ellison - WB0WQS Aurora MO - Summit City of the Ozarks - kelman@dialnet.net

---

Date: Tue, 8 Jun 1999 23:27:52 -0500 (CDT)
From: aweiss@usd.edu (Ade Weiss W0RSP)
To: Peter_DL2FI@csi.com

Cc: qrp-l@lehigh.edu
Subject: [42324] RE: 2020
Message-ID: <199906090427.XAA07372@sunburst.usd.edu>

Hi Peter:

Well, here's a reply to balance and "flames" that you might receive.

Yes, I agree wholeheartedly with you!!!

When I did tests and reports for CQ Magazine, I published the numbers
and then built on them -- IMD etc.

Heath's HW8 had an incredible bunch of 3.5mHz harmonics as seen on an HP
Spec analyzer. So, Heath just asked that I send the unit to them, and they
checked it out and solved the problem.

As for the QRP+, it should never have seen the light of day. The fatal
combination of IF gain, AGC loop, and inability of the DSP filter to actually
reject off-center freq signals makes it useless in a contest situation. One
needs a really clear freq +/-4kHz to escape the AGC action caused by
strong stations.

I understand the 2020 and it predecessor always has a lot of bugs.

The way in which Eric and Wayne have delayed bringing the K2 to market
until every bug is gone is truly praise worthy.

Actually, I don't know of many other rigs that have serious problems like
the QRP+ and SG. Seems that a minor hitch like thumping AGC on
keying is the worst that the usual rigs have.

At any rate, I'm glad you said your thoughts. Most "test reviews" are done
without any lab equipment and are purely subjective.

Carry on.
72, Ade

Date: Wed, 9 Jun 1999 00:33:35 +0100
From: "Bob Duckworth" <wb4mnf@atl.org>
To: <wd8civ@att.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [42325] Re: Business opportunity?
Message-ID: <199906090443.AAA23373@hat-trick.atl.org>

One still has to solder the tiny SMT bit to the pad.
So, what's the advantage.

-bob

Date: Tue, 8 Jun 1999 22:52:48 -0700 (PDT)
From: Ron Stark <ku7y@dri.edu>
To: Ade Weiss W0RSP <aweiss@usd.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42326] RE: 2020
Message-ID: <Pine.SOL.3.96.990608223716.2701A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 8 Jun 1999, Ade Weiss W0RSP wrote:

>
> ..... Most "test reviews" are done
> without any lab equipment and are purely subjective.
>

Hi Ade,

That's very true, at least for the Quarterly. Even when we have
a review with "numbers" they are from different people with
different equipment so they really can't be compaired closely.

But there is nothing wrong with a subjective review. It is from
one ham telling others how they liked/disliked a rig.

We must be sure to keep that in mind when reading a review.

If there is someone out there that has a bunch of lab
grade equipment that they keep calibrated and you would like
to become the "tester of equipment" for the Quarterly, let
me know!

Hmmmmm, here I go, getting ready to defend the ARRL once
again.... :-)

I think the ARRL has been doing a good job in their reviews.
While I have not studied them all closely, they all seem to
have the same numbers from the same equipment used the same
way.

Seems to me that you can do a good job of compairing one
rig to another that way.

As to the knobs being too big or too small, that's subjective

and always will be. They do seem to tell it like it is....
in other words they say that they find the controls too
close togeather and mention that they have big/small hands....
or that the menu goes from this to than and etc.

What else can they do?

If there needs to be more tests, write to them and let them
know.....what to test for and how to do the test.

While I do feel that the major equipment makers do influence
the hobby and to some degree the ARRL, I really don't think
that they control the reviews.

However, if that Gordon West (sp?) fellow in Calif gets his
way, the mfg's will control not only the ARRL but all of
the hobby! And if what he said in World Radio is right the
ARRL is going along with this!

OK, off to bed.....

73, Ron,   SOWP 5545M,

.........KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu...........Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 08 Jun 1999 11:41:02 -0700
From: Thomas Kuehl <ac7a@uswest.net>
To: aweiss@usd.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42327] Re: 2020
Message-ID: <375D63BE.7D14D9EE@uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Ade:

I have your original May 1977, CQ magazine review of the
HW-8 on file. I had
often wondered what happened to K8EEG/0, and didn't make the
connection until you
mentioned the review. My old HW-8 is still pumping out QSOs

like it did 22 years
ago.

I am the guilty party who expressed dismay with CQ's review
of the '2020. It
was not my sole intent to tear into the '2020's
deficiencies, but to point out
the importance of accurate equipment reviews - even if they
are purely subjective. Often, when new equipment becomes
available, the reviews are the only source of "hands on"
information that many amateurs have available to them. Many
products just aren't locally available for a "test drive." I
for one have purchased items based on highly positive
magazine reviews - only to be sorely disappointed after the
item arrived. If the producer won't take it back, your stuck
and out the bucks.

As Peter has pointed out, it is a fine line that reviewers
walk. I am sure they
want to be completely open about their findings, but doing
so could jeopardize
their magazine's relationship with the equipment producer.
And as also pointed
out, the advertisers pay for a good part of a magazine's
production costs. Higher
costing magazines without adds wouldn't serve anyone's
interests.

I guess we just can't have our cake and eat it too!

Best regards,

Thomas - AC7A

Ade Weiss W0RSP wrote:

> Hi Peter:
>
> Well, here's a reply to balance and "flames" that you might receive.
>
> Yes, I agree wholeheartedly with you!!!
>
> When I did tests and reports for CQ Magazine, I published the numbers
> and then built on them -- IMD etc.
>
> Heath's HW8 had an incredible bunch of 3.5mHz harmonics as seen on an HP
> Spec analyzer. So, Heath just asked that I send the unit to them, and they

> checked it out and solved the problem.
>
> As for the QRP+, it should never have seen the light of day. The fatal
> combination of IF gain, AGC loop, and inability of the DSP filter to actually
> reject off-center freq signals makes it useless in a contest situation. One
> needs a really clear freq +/-4kHz to escape the AGC action caused by
> strong stations.
>
> I understand the 2020 and it predecessor always has a lot of bugs.
>
> The way in which Eric and Wayne have delayed bringing the K2 to market
> until every bug is gone is truly praise worthy.
>
> Actually, I don't know of many other rigs that have serious problems like
> the QRP+ and SG. Seems that a minor hitch like thumping AGC on
> keying is the worst that the usual rigs have.
>
> At any rate, I'm glad you said your thoughts. Most "test reviews" are done
> without any lab equipment and are purely subjective.
>
> Carry on.
> 72, Ade

Date: Wed, 09 Jun 1999 01:45:40 -0500
From: Jay Bromley <w5jay@alltel.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, n4xy@att.net
Subject: [42328] Re: Got my Y2K Blue Racer!!!
Message-ID: <375E0D94.722FA8BC@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ed,
Is it cute and cuddly? Sorry I couldn't resist. Congrats on it!!
73 de w5jay..

Ed Tanton wrote:
>
> I received my Y2K Vibroplex Blue Racer, SN 104553, today, and it's
> absolutely GORGEOUS!!! Best looking new key/CW product I have seen in years!
>

Date: Wed, 09 Jun 1999 06:52:28 +0000

From: Goran Hosinsky <hosinsky@royac.iac.es>
To: unlisted-recipients:; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42329] Re: Business opportunity?
Message-ID: <375E0F2C.3F677728@royac.iac.es>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

By e-mail?
Goran ea8yu

K2UD@aol.com wrote:

> for the group! Send your dollars to......

Date: Wed, 9 Jun 1999 08:47:56 +0200
From: "Peter Zenker" <Peter_DL2FI@csi.com>
To: <aweiss@usd.edu>, "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [42330] AW: 2020
Message-ID: <000c01beb246$c0f21ce0$34a19ec1@zenkerpn>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Ade,
thanks for your comments. Let me add another thought on testing rigs:

one problem is the unability of commercial magazins to publish a "killing
test review" because the financial risk.

The other problem is

> At any rate, I'm glad you said your thoughts. Most "test
> reviews" are done
> without any lab equipment and are purely subjective.

that a lot of the comparable test methods results may be useful for
technicans in development departments but worthless for practical use.

An example:
IMHO measuring and publishing harmonic levels of a TX is a must, is usefull.
IMHO measuring and publishing of third order Interceptpoint IP3 as done in

the moment is not only worthless but missleading
Why?
If you create a IP3 hitlist and compare the SST with its non selectiv frontend and its NE602 mixer with a Yaesu FT1000, the SST is way off at the bad side. You can approve this results in a practical test as will, the SST gives much more intermodulation the the FT1000.
BUT
Add a smallband bandpass to the SST. The best you can buy in the moment is a 20 kHz broad 7020 MHz 8 Pole Xtalfilter (twice the price of the SST :-), 2,9 dB loss.

Now measure again, you will find the same bad, bad IP3 and the SST will have the same bad place on the hit list! But if you now do the practical test again I swear the SST because its much better noise figure combined with the now excellent frontend will be the NUMBER ONE at the hitlist!.
To say it AGAIN: this modified rig shows the same bad IP3 but it is intermodulation free now.

Whats the worth of what test result now??

72 de Peter

PS.
Another point of view:
if one compares ONLY the horse power of his car and his little motorboat and decides to use the vehicle with the better motor to drive to an island, what will happen if there is no bridge?

Compare the unmodified SST with the same FT1000 thinking in terms of backpacking and dont forget the battery you need :-)))

Date: Wed, 9 Jun 1999 18:23:55 +0900
From: "Toru Kato" <jg1rvn@inv.co.jp>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [42331] Cap kit arrived Tokyo
Message-ID: <001a01beb259$ce233580$67649dd2@jg1rvn>
MIME-Version: 1.0
Content-Type: text/plain;

     charset="iso-2022-jp"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I received NorCal Cap kit today.
I am very pleased, and happy.
It $B#w#i#l#l(B help making my QRP rig very much.
Thanks J.W.Cates and NorCal !

June-9th-1999 18:23 JST
Toru Kato JG1RVN Tokyo.

Date: Wed, 9 Jun 1999 03:08:33 -0500
From: wpc@west.net (John L. Roblin / Whiterook Products Co.)
To: qrp-l@Lehigh.EDU
Subject: [42332] ***NEW URL and Products
Message-ID: <v01530500b383cdf0d805@[205.254.241.171]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Greetings QRP-L!

I'll keep it brief, but here is some important news:

***We now have a new domain name website:

www.ElectronicsUSA.com   (Yes, there are still some good domain names left!)

If you have a link to us from your website, please make note of this
change. MANY THANKS!!

***New Product: The MK-67 Pocket BNC Antenna Center Insulator: $14.00
It is just like the MK-66, only more compact and with a BNC connector.

***New Product: The MK-36 Pocket Mini-Key Leg Strap: $7.50
It is compatible with our Model MK-22, MK-33, and MK-44 Pocket Mini-Keys
and Mini-Paddles

(Not QRP, but we also have a new computer related product as well, the MK-16.)

Thank you for your time. I have more QRP products in the works as well,
plus there will be some important changes to the website soon, so stay
tuned.

72/John WA6KYO

==========
John Roblin
Whiterook Products Company
"Mini-Keys, Binary Clocks, and Other Cool Stuff"
www.ElectronicsUSA.com
==========

Date: Wed, 9 Jun 1999 06:06:51 -0500
From: k5zty@juno.com
To: qrp-l@lehigh.edu
Subject: [42333] W8MVN Antenna Article
Message-ID: <19990609.061507.6638.1.k5zty@juno.com>

Dearest Gangue,

There was an article printed in one of the magazines some time ago about Ernie Helton, W8MVN's, phased 40 meter delta loops   The front cover of the Oct. '95 QRP Quarterly had a picture of the model that he brought to Dayton that year but the article wasn't in that issue.
It would be appreciated if someone with a better memory than mine could tell me where I saw that article.   And speaking of Ernie, I haven't heard him ruling 40 meters in the contests lately.   Anyone know how he is?

Thanks,
Bill, K5ZTY
Houston, TX
k5zty@juno.com

_____
Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: http://dl.www.juno.com/dynoget/tagj.

Date: Wed, 09 Jun 1999 11:20:43 +0000
From: wd8civ@att.net
To: qrp-l@lehigh.edu (QRP-L Mailing List)
Subject: [42334] Re: Business opportunity?
Message-ID: <19990609112055.KLX26996@webmail.worldnet.att.net>

> One still has to solder the tiny SMT bit to the pad.
> So, what's the advantage.

Bob,

Mainly that the pad would extend to a bigger pad for
other component leads and pads. I personally can't solder
more than about 1 wire to pads on a 0.050 inch spacing,
and there are chips available that are even finer.

Dave
--

Dave Hinerman WD8CIV

Date: Wed, 9 Jun 1999 05:50:30 -0700 (PDT)
From: Philip Karras <ke3fl@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [42335] Re: Power Supply for Kits
Message-ID: <19990609125030.9679.rocketmail@web122.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

First the possible problems with PC supplies:
1. They are normally switching supplies, these can
make noise sometimes right on a frequency of interest.

2. Older switching supplies were designed to supply
some amount opf current, if the circuit did not use
close to that amount they would not work.

Newer switchers are better & have a "normal" range of
current they can supply.

Linear supplies are just fine.

Bottom line: Tru it and see if it works for your
kits/bands/frequencies.

good-luck!

73 de KE3FL
Phil

===
Phil K
home: ke3fl@juno.com
Alt: ke3fl@yahoo.com
Reflectors: ke3fl@arrl.net and ke3fl@qsl.net
Web: http://www.qsl.net/ke3fl

_____
Do You Yahoo!?
Get your free @yahoo.com address at http://mail.yahoo.com

Date: Wed, 9 Jun 1999 07:55:55 -0400
From: "wayne reed" <wlreed@viaduct.custom.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [42336] Fw: Business opportunity?
Message-ID: <002f01beb26f$08a508e0$374961ce@q7c8d5>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

[Manhattan style pads for ICs]
There has been a lot of traffic about the correct pad size and sources for
nibblers. If someone were to make IC pads for Manhattan style construcion,
why not wack out a hundred 1/4" square pads to go with the various IC pads.
Give the average builder all the pc board ingredients he needs to build what
ever.
Any club with access to a pc board shop could make some money out of their
scrap. The combination would have a broader appeal and the postage will be
half the cost anyway.
Speaking of postage for such projects, wouldn't first class be cheaper for
some of these things? [2 oz is 33x2 + 11 (for hand stamp) = 77cents]

Wayne, k9ne
-----Original Message-----

>
>Forgive me if somebody's already thought of this, but I
>had an idea.
>
>With all the discussion of Manhattan-style construction,
>I was thinking of ways to make pads for ICs and
>fine-pitch components. Does anyone (or has anyone
>considered) make(ing) and sell(ing) pads or pad arrays
>for ICs, either DIP or surface mount?

--- snip --->
>So, can we expect to see a "NorCal Breadboard Kit" in the
>near future?
>
>Dave Hinerman WD8CIV
>
>
>

Date: Wed, 09 Jun 1999 08:06:43 -0500
From: Wes Spence <ac5k@ih2000.net>
To: qrp-l@Lehigh.EDU
Subject: [42337] help-need MC34119 chip
Message-ID: <375E66E3.72B8@ih2000.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang:

I am in trouble. I have been building the NN1G 80m CW rig from 1991 QRP Quarterly and I have one part that I cannot find-- a MC34119 IC. Any sources would be appreciated.

72, Wes, AC5K

Date: Wed, 09 Jun 1999 09:17:21 -0400
From: Zack Lau <zlau@arrl.org>

To: qrp-l@lehigh.edu
Subject: [42338] Large format photographs?
Message-ID: <375E6961.DEC9096B@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I wonder if CD-roms make it worthwhile to document projects using
view cameras with big negatives? While a 4x5 inch negative is overkill
for
the printed page, if the image were stored digitally one could
zoom in and magnify tiny details.--Zack W1VT

Date: Wed, 09 Jun 1999 09:18:37 -0400
From: James Owen <owen@piper.eeel.nist.gov>
To: w1rfi@arrl.net, qrp-l@lehigh.edu
Subject: [42339] Tuna Tin II -- WOW!
Message-ID: <375E69AD.115645A9@piper.eeel.nist.gov>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

WOW! What a signal. Really enjoyed our QSO last night Ed. The TTII was
really strong here in MD. How strong? Back ground QRN was S3 on the
meter. You were hitting S7-8 and once got to S9. Maybe I'm not critical
enough but I didn't hear any chirp. Hope my keying wasn't too difficult
to copy. I have been using the Scout with the Bencher but to operate qrp
I would have to have gone to the basement for a screwdriver to adjust
the power. I decided to use the TS820 since the old Brunnell had the
proper connector. This was the first time I have had the 820 on CW and I
didn't miss QSK that much. Anyway set the 820 to 5W output and let go.
Got you on the first try. I think I'll pull the article on the TTII and
have a go at it. Let us have a tabulation of your success if you have
time.
72 Jim K4CGY qrp-l #72

Date: Wed, 9 Jun 1999 09:22:15 EDT
From: Robsparks@aol.com
To: qrp-l@lehigh.edu
Subject: [42340] AR QRP 40m net tonight

Message-ID: <826eb21b.248fc487@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

AR-QRP 40 m Net Wednesday Night - BYOF (Bring your own (noise) filter)

The AR-QRP 40 m net is tonight, Wednesday, at 0030Z (7:30 CDT) at 7.042 MHz. Bob, AB5ZD is NCS and will be calling "QST AR QRP NET de NQ5RP PSE QNI". At that time, please send your full call. When I copy it, I will return your call and AS (stand by) while more call in. When I have the list, I will start at the top and go down the list for reports and comments. If you are trying a new rig or antenna, or going to Hamcom, tell us about it! This is a fun and informal net, and is a low hassle way to learn how to check into a net. You don't need to be a member of the AR-QRP Club to check in. We welcome new check-ins!

72,

Bob AB5ZD

Date: Wed, 09 Jun 1999 07:28:28 -0600
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: qrp-l@Lehigh.EDU
Subject: [42341] ElmeRadio Mods (long)
Message-ID: <375E6BFB.C58F3B7D@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Friends

I told you it was a prototype! Did some more testing last night and early this morning. The following will probably of interest to potential builders.

EARPHONES

All earphones are not equal. The ones you use will make a big difference in performance. I have tried some cheap no names that are so insensitive that the ElmeRadio will not work at all! The best inexpensive headphones are Sonys. In-the-ear type Walkman headphones are the most sensitive. Model MDR E817 is the best I've tried. Cheap, too--only ten

bucks, and they come in a nifty little compact case. Next best are those funny looking headband Sonys. You know, the ones that are attached to the band sideways. These also fit into the ear. The Model I have is MDR W80. These are $10, also. I realize that in-your-earphones are uncomfortable for some. Try the inexpensive Sony on-the-ear types. Last night I purchased a pair for $6 that are pretty good. Not as good as the above two pairs, but okay.

Most Panasonic earphones are as a rule much less sensitive that Sonys, and probably should be avoided. I did try an in-the-ear type that was pretty good, however. So, don't rule other brands completely out, and let me know if you find any good very inexpensive ones.

DETECTOR DIODE

Tried a 1N5817 schottky diode this morning. It seems to work significantly better, with less distortion on weak signals, than the 1N34A. These are readily available and not particularly expensive. Give one a try and let me know.

IS THE RADIO TOO SENSITIVE?

Sometimes. I connected the external antenna jack to the forced air ducting in my house last night. Signals became unbearably loud and distorted. The regeneration control had little effect. I could not turn it low enough to stop the detector from oscillating. This morning, after further investigation, it was found that eliminating one of the regulating diodes (1N4148's) made the ElmeRadio useable with an external antenna. What is needed is some kind of RF level control. An audio level control might help, but the real problem here seems to be detector overload. You input would be helpful.

An audio level control is easy. I will be trying two methods. First, a 1M pot from the cathode of D1 to ground with the wiper connected to the reference input of the TL431 through C5. The second is to put a 1K or 2K pot in series with R4 and +9V. This has an additional advantage of reducing current consumption of the TL431 at low volumes. Both are untried (must start my working at my paying job soon). I would appreciate someone giving these a try.

LOOPSTICK AND POLYCAP AVAILABLE

Good news here. Electronic Goldmine has these two parts

custom made off shore. When stock gets low, they reorder. I cannot overemphasize this company's commitment to hobbyists. They deserve our business. Their website is at http://www.goldmine-elec.com/.

IS THE .PDF DOCUMENT SCALED PROPERLY?

Haven't had time to check this out yet, but the rectangle representing the ferrite core on L1 should measure 1.775" X .318" if the document is scaled properly.

That's all for now. I am, also, working on a similarly packaged code practice oscillator with built in key. Got to get that finished by Saturday morning.

Regards

Bruce kk7zz

Date: Wed, 9 Jun 1999 07:34:20 -0600
From: bcutter@teal.csn.net (Bob Cutter)
To: w5jay@alltel.net
Cc: qrp-l@LEHIGH.EDU
Subject: [42342] VE3DNL Marker Kit
Message-ID: <199906091334.HAA26528@mailrelay4.sni.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

W5JAY, et al

Thank you for making this kit available. What an elegant device!

72, Bob KI0G

Date: Wed, 09 Jun 1999 09:37:38 -0400
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42343] Re: Tuna Tin II -- WOW!
Message-ID: <375E6E22.32CB71D0@hti.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jim,
I picked you up working Ed and gave him a call when you guys were finished. Ed came back to me. That is CT to MI on how many milliwatts? WOW is right. We had a nice QSO. Lots of QRN and some QRM but I could copy 90%. Gave Ed a 559 but on the QSB peaks he was up to 579. Went to bed doing a fox like happy dance. Best part was explaining to the XYL the tuna tin story and how it relates to what QRP is today. She was genuinely interested. Thanks Ed for the back to the future experience. 73's & 72's

Ed Kwik AB8DF

James Owen wrote:
>
> WOW! What a signal. Really enjoyed our QSO last night Ed. The TTII was

---

Date: Wed, 09 Jun 1999 08:25:39 -0500
From: Jeff Logullo <jeff.logullo@Central.Sun.COM>
To: qrp-l@lehigh.edu
Subject: [42344] Resend: QRP-L CDs v2.0 available here
Message-ID: <375E6B53.7560A0D8@central.sun.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello all,

The response to the QRP-L CDs has been pleasant so far--thanks to everyone for following instructions and enclosing a shipping label, etc. It sure makes things smoother at this end.

I'm trying to gauge demand before I make another shopping trip for CD blanks, mailers, etc. so if you're going to order, feel free to drop me a line before you order (and let me know whether you're on Plan A or Plan B).

Regards,
Jeff

Jeff Logullo wrote:
>

> I'm ready to take orders for the QRP-L CD. As luck would have it, I
> waited just long enough to catch Chuck's note about the filename error,
> so I will have that incorporated.
>
> Hmm... better make that "QRP-L CD v2.0.1" ;-)
>
> I can supply a blank CD or accept one from you.
>
> Plan A: Your blank CD
> ---------------------
> Put a blank CD in one of those plastic sleeves (i.e. don't send the
> jewel box). Put this CD in a sturdy cardboard mailer. Put your mailing
> address on the mailer. Put postage on the mailer. (Typical postage is 55
> cents, though if you use a bubble mailer or one of those thick padded
> mailers it might be 78 cents.) Now put this mailer into a larger (of
> course) mailer addressed to me (see below). Write your name and email
> address on a small slip of paper and enclose it as well.
>
> Plan B: I provide blank CD
> --------------------------
> Send a check for $10 payable to "Jeff Logullo" to me (see below). Please
> enclose a self-adhesive mailing label with your mailing address. Write
> your name and email address on a small slip of paper and enclose it as
> well.
>
> Send your package to:
>
> Jeff Logullo
> 539 Arbor Meadow Drive
> Ballwin, MO 63021-7368
>
> Upon receipt, I will email you to confirm receipt of your package--IF
> you remembered to enclose your email address :-)
>
> Questions? Send email to me at jeff.logullo@sun.com; make the subject
> line "N0MII QRP CD".
>
> 73,
> Jeff

--

Jeff Logullo
Sun Microsystems, Inc. Phone: (314) 569-4739
600 Emerson Road, Suite 301 Fax: (314) 991-0602
St. Louis, MO 63141 USA Email: jeff.logullo@sun.com

Date: Wed, 9 Jun 1999 10:04:15 -0400 (EDT)
From: Chris Cartwright Sr <ccart@phideaux.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42345] Re: Tuna Tin II -- WOW!
Message-ID: <Pine.LNX.4.04.9906090935270.16999-100000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 9 Jun 1999, James Owen wrote:

> WOW! What a signal. Really enjoyed our QSO last night Ed.

Seconded! I enjoyed Jim's, and my own QSO, with W1RFI and the historic TT2 last night. Plopped myself down at the radio after all the Mr. Mom stuff was done, about 01:45Z, fired up the rig and there he was! I didn't notice any chirp either, but it definitely didn't sound like a rice box :) Was using the HW-9 and a 50' vertical wire in the trees out back.

Afterwards I had that ear-to-ear post fox hunt smile. I tried to tell my wife why my feet weren't touching the floor, but all I got was a, "That's nice". I'll never get to QSO with W1FB, so I think this is about as close as I can get. Many, many thanks Ed, the card is on the way.

Are there pics of the original TT2 out there? This was the first rig I ever read about, 20 years before I ever got a license. I'm sure it had something to do with me becoming a ham.

tnx agn Ed es 72

-- Chris Cartwright,   Technical Engineer | ccart@phideaux.com   --
-- N3XRV   ARRL-VE   Norcal Zombie #163 | Gaithersburg, MD FM19je   --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

----

Date: Wed, 9 Jun 1999 09:00:20 -0500
From: George F Franklin <w0av@juno.com>
To: qrp-l@lehigh.edu
Subject: [42346] Re: Front Panel Overlay for NC20
Message-ID: <19990609.090021.-117661.0.w0av@juno.com>

MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Fellow QRP-ers

Does anyone know where I can get a professional looking front panel
overlay for my NC20?

I have seen several messages about computer printing my own version, but
I don't feel up to attempting to do that.

I'll bet someone could manufacture these items and sell lots of them.

72 de George/W0AV

Date: Wed, 09 Jun 1999 14:29:49 +0000
From: wd8civ@att.net
To: qrp-l@lehigh.edu (QRP-L Mailing List)
Subject: [42347] Re: Large format photographs?
Message-ID: <19990609143032.CIOM26996@webmail.worldnet.att.net>

> I wonder if CD-roms make it worthwhile to document
projects using
> view cameras with big negatives? While a 4x5 inch
negative is overkill
> for
> the printed page, if the image were stored digitally
one could
> zoom in and magnify tiny details.--Zack W1VT
>

Zack,

Now -that- sounds like a good idea. Especially with the
image processing software that's available for cheap or
free. (I use LVIEWPRO demo - it has some excellent
filters, like contrast and edge enhancement, etc.)

The camera and lens would have to be really good, however
- close up work onto a large negative will show every
little bit of distortion in the optical path. But for
technical documentation, a little distortion should be
acceptable.

Dave
--

Dave Hinerman WD8CIV

Date: Wed, 9 Jun 1999 09:47:27 -0500
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
To: qrp-l@Lehigh.EDU
Subject: [42348] HamCom weather report
Message-ID: <001577D6.4159@ccgate.dl.nec.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part
Content-Transfer-Encoding: 7bit

Dear HamCom bound gang,

Bring your favorite sunscreen. The extended forecast
calls for:

Friday: High => 90 Low => 70
Sat. : High => 91 Low => 70
Sun. : High => 90 Low => 70

As usual around here, there always is a chance of afternoon
thunderboomers.

See you folks on Saturday!

73 de Dave, NR3E
QRP-L #25
nr Dallas, TX

Date: Wed, 09 Jun 1999 11:00:11 -0400
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>
To: qrp-l@lehigh.edu
Subject: [42349] Re: 2020
Message-ID: <375E817B.6580@arrl.net>
Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ron Stark wrote:

> Hmmmmm, here I go, getting ready to defend the ARRL once
> again.... :-)

Hmmmm, indeed, Ron. :-) Maybe you don't disagree with as much about ARRL as you have convinced yourself you have. I see a lot of defending of late. :-)

> I think the ARRL has been doing a good job in their reviews.
> While I have not studied them all closely, they all seem to
> have the same numbers from the same equipment used the same
> way.

> Seems to me that you can do a good job of compairing one
> rig to another that way.

To give you even more to "defend," I will remind you that the ARRL's Test Procedures Manual is available for download from http://www.arrl.org/members-only/prodrev/testproc.pdf. Paper copies are available to those who cannot access the ARRL members' pages for $20 postpaid, I believe. I will gladly send one complimentary to any legitimate equipment manufacturers, to help ensure good correlation between ARRL's lab and theirs.

> If there needs to be more tests, write to them and let them
> know.....what to test for and how to do the test.

Yes, please do, although we can probably figure out how to do the tests. :-) A major multiband, multimode HF box can take 5-7 days in the screen room; we already to test a lot. Unforatunately, most hams don't share the avid interest in these things that QRPers do, so we have to weigh the staff costs vs the benefit to hamdom. We DO now include additional test data for almost all the Reviews in the ARRL Web page publication of the Product Reveiws. Download the expanded test-result reports included with the published reviews.

> While I do feel that the major equipment makers do influence
> the hobby and to some degree the ARRL, I really don't think
> that they control the reviews.

I can speak from personal experience; they do not control the reviews. Do they influence Amateur Radio? Of course, and that is not necessarily a bad thing. If ONLY homebrew equipment were available, we would have a

few ten thousand hams at best. In the Reviews, QST says what it wants to say about equipment, irrespective of the advertising status of the company involved. I will add that, quite appropriately, IMHO, QST editors do make every effort to ensure that they are treating the manufacturers fairly. Amateur Radio would NOT be served by having a review harm a manufacturer without good cause. Even a "negative" piece of equipment has good points, and those will be discussed impartially in the review, right along with the bad ones. Ask Joe Bottiglieri, AA1GW, how many times he hears from a manufacturer about what is said in Reviews. The manufacturers certainly don't think that they control the Reviews. :-)

> However, if that Gordon West (sp?) fellow in Calif gets his
> way, the mfg's will control not only the ARRL but all of
> the hobby! And if what he said in World Radio is right the
> ARRL is going along with this!

I don't think so. :-)

73,
Ed Hare, W1RFI
ARRL Lab

Date: Wed, 9 Jun 1999 08:05:28 -0700 (PDT)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [42350] Propagtion thoughts
Message-ID: <19990609150528.6667.rocketmail@web129.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

The last couple of nights I have been on 20 meters and have heard various DX stations. Two stations that came in loud and clear were from Sweden and Hungary.
Last night after turning off the rig I got to thinking. Why were there only one station from Sweden and one from Hungary? If one could get through the ether why not more? I mean I worked a Hungarian station last week so it's not a matter of power.
It seems we should hear a number of them coming through at a time.
Just kinda wondering about that. Any thoughts?

72!

Jeff

===
Jeff Jones
AB6MB
NorCal QRP Club #65, QRP-L #1780
CW Forever!!!
Ghost Hunter
Owner of the Delta MudCats fantasy baseball team
Long live Manchester United and the Oakland A's!!!!!!
_____
Do You Yahoo!?
Get your free @yahoo.com address at http://mail.yahoo.com

Date: Wed, 9 Jun 1999 09:32:24 -0400 (EDT)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: Jeff <fantbb@yahoo.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42351] Re: Propagtion thoughts
Message-ID: <Pine.LNX.3.95.990609093049.26868D-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Some might be over a certain threshhold;

more likely, there's nobody looking for the path. This is why beacons are
so useful, and why there are uses for 1000w stations (People in distant
location hear big station even though antennas aren't turned
properly...then they turn antennas and hear everyone).

Scott Rosenfeld ARS N7JI
541-346-7401 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu http://w3eax.umd.edu/~ham

On Wed, 9 Jun 1999, Jeff wrote:

> The last couple of nights I have been on 20 meters and have heard
> various DX stations. Two stations that came in loud and clear were
> from Sweden and Hungary.
> Last night after turning off the rig I got to thinking. Why were
> there only one station from Sweden and one from Hungary? If one could
> get through the ether why not more? I mean I worked a Hungarian
> station last week so it's not a matter of power.
> It seems we should hear a number of them coming through at a time.
> Just kinda wondering about that. Any thoughts?

>
> 72!
>
> Jeff
>
>
> ===
> Jeff Jones
> AB6MB
> NorCal QRP Club #65, QRP-L #1780
> CW Forever!!!
> Ghost Hunter
> Owner of the Delta MudCats fantasy baseball team
> Long live Manchester United and the Oakland A's!!!!!!
> ____
> Do You Yahoo!?
> Get your free @yahoo.com address at http://mail.yahoo.com
>

Date: Wed, 9 Jun 1999 10:13:24 -0500
From: "Chuck Adams K5FO" <adams@ticnet.com>
To: kreinbd@ccgate.dl.nec.com
Cc: qrp-l@lehigh.edu
Subject: [42352] Re: HamCom weather report
Message-ID: <E10riy0-0007JN-00@pop3.ticnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

One additional note on the high temps.
The humidity is high also so the folks
from Houston area will feel right at
home.

:-)

Chuck Adams K5FO adams@ticnet.com http://www.qsl.net/k5fo/

Date: Wed, 9 Jun 1999 10:26:23 -0500

From: Clifton W Sikes <ab5uacw@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [42353] Where to send TAC logs?
Message-ID: <19990609.102624.6646.0.ab5uacw@juno.com>

Can someone send me the address. I seem to have lost it.

72,

Clif AB5UA

_____
Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: http://dl.www.juno.com/dynoget/tagj.

Date: Wed, 9 Jun 1999 11:25:39 EDT
From: DLShips@aol.com
To: tshilhanek@juno.com, qrp-l@lehigh.edu (QRP-L)
Subject: [42354] Re: KC-1 speed control - problem solved
Message-ID: <4f306bfa.248fe173@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 99-06-08 23:56:30 EDT, tshilhanek@juno.com writes:

<<
 Don,
 I had a similar problem when I put a KC-1in an SS-T.
 The problem that I had turned out to be that the KC-1
 was set up to have its speed changed by the cw paddle
 and not by the speed pot. I cant remember what command
 to use to changed this feature but it can be confusing at first.
 With it set up this way the keyer automatically comes up at
 18 wpm until you change it using the paddle
 Hope this helps,
 Terry W0PFR
  >>

Thanks to Terry for pointing me in the right direction. This problem was solved by changing the toggle under the "R" command from "F" to "V".. Many thanks to W)PFR for the help and thanks to this reflector ....

73 de Don, W3RDF

Date: Wed, 09 Jun 1999 08:34:30 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: adamsclan@netgate.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42355] Re: CDRom archive thoughts
Message-ID: <375E2715.45509766@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I, too, have been pumping out the CD's, but not yet on the scale of Dave. He's right, though....this group is a pleasure to work with. So far all the requests I've received have had labels, proper postage, and kind notes.

I did notice that the adhesive on the Fellowes mailers I use isn't holding, so I am now taping all mailers closed. If you received an open mailer, and the case or CD is damaged, let me know and I'll get a new one out to you.

Only 26 minutes to burn and test each one...that's not bad. Fun, too.
--
73, de Roger, N7KT
qrp-l #62, NorCal #1099, Zombie #006
Mesa, AZ 85202

Date: Wed, 9 Jun 1999 11:26:50 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [42356] Re: Business opportunity?
Message-ID: <199906091610.MAA27074@moose.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

> > One still has to solder the tiny SMT bit to the pad.
> > So, what's the advantage.

> Mainly that the pad would extend to a bigger pad for
> other component leads and pads.

Also, then you don't have to layout and etch an entire board just to
use a couple of SMT IC's.

Digi-Key already has a selection of these SMT proto boards/ adaptors,
mostly for 8 and 16 pin SOIC's (50 mil lead spacing) thier called
"Surfboards" and are a little pricey.

It might be a problem finding a pcb board house that can shear boards
smaller than 1.5" X 1.5" though. That seems to be the smallest sized
board most are willing to do...

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Wed, 9 Jun 1999 11:26:47 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [42357] Re: Tuna Tin II -- WOW!
Message-ID: <199906091610.MAA27083@moose.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

It was also a pleasure to work Ed's TT-2 up here in the mountians of
New Hampshire. That new dipole at 40 ft is really getting the job
done there, Ed. Signals were anywhere from 5-5 to 5-8 with the QSB.
Heard you until you went QRT about 02:15. I didn't notice any chirp
either, and I have a pretty narrow filter.

Thanks for dusitng off the TT-2 and giving us all a chance to work
you. Was kinda like a mini fox hunt :-)

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Wed, 9 Jun 1999 11:11:48 -0500
From: "Chuck Adams K5FO" <adams@ticnet.com>
To: qrp-l@lehigh.edu
Subject: [42358] Shear Critter

Message-ID: <E10rjsX-0005Kx-00@pop3.ticnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Gang,

Since I bought a shear this week, let me give
you the info as I have gotten email on it
inquiring about it.

On January 25th of this year (in the archives)
you will find a posting from John Evans, N0HJ,
about the Harbor Freight shear, brake, and slip
roll model number 35969-2VGA. At that time
they had it on sale for $179.99. There was
probably a shipping charge on the thing also.

On Saturday at the NORTEX meeting the guys told
me of their store here in Dallas, so Monday a.m.
I went over there (only about 5 miles from my
front door) and wandered through the rows of
stuff taking notes on what I just might need
to build stuff. :-) Gonna have to go back.

But they did have the shear in stock at $199.99
off the shelf price, so I picked one up. Two
guys put it and the crate it was in into the back
of the Explorer. I took it out myself when I got
home. Now boys and girls this puppy weighs in at
52Kg (about 120 pounds), so I don't need to go into
gory details about being careful. And in case you
were worried about me I worked my way through
undergraduate school for North American Van Lines.
That's why I went on to graduate school. :-) ;-)

As mentioned it does have goop on it to keep it from
rusting coming across the ocean in a cargo ship and
while being in storage. I picked up a can of
Mosenbocker's LIFTOFF to remove the stuff. Works
great and this stuff also works great for removing
those stickon labels on plastic items.

Having never owned a shear before I can tell you

that I just love the way this thing cleanly cuts
PC board material. Those at HamCom can see the
boards in person. No, I won't bring the shear
in. :-) ;-) It cuts them cleanly and if you
pay attention you can get the edges at 90 degrees
for all sides.

Now not everyone (even myself) can justify a $200
expense for an item such as this, but if you are
going to be working with building PC board cases,
etc. then you might can justify the expense. It's
like that $100 drill press that you use once in a
while to drill 6 holes in a case..... ;-)

FYI

Chuck Adams K5FO adams@ticnet.com http://www.qsl.net/k5fo/

Date: Wed, 9 Jun 1999 11:05:22 -0500
From: "Chuck Adams K5FO" <adams@ticnet.com>
To: qrp-l@lehigh.edu
Subject: [42359] QRP-L CD Version 3.0 Call
Message-ID: <E10rjmJ-0004cX-00@pop3.ticnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Gang,

Don't panic. Version 3.0 will not be available until
after September 1 of this year.

This is an announcement that I am taking contributions
from individuals or groups that want to have something
on the CD. I don't want to hear anyone post something
to the effect that they did not have time and missed
the deadline. :-)

This is your only warning. You have until August 21st
to get it to me or the train will leave the station
without you. :-) ;-)

Material obviously has to be QRP related.......

FYI

Chuck Adams K5FO adams@ticnet.com http://www.qsl.net/k5fo/

Date: Wed, 9 Jun 1999 11:34:07 -0500
From: "Joe spencer" <joes@tcjc.cc.tx.us>
To: <kreinbd@ccgate.dl.nec.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [42360] Re: HamCom weather report
Message-ID: <001a01beb295$e5887870$0902040a@tcjc_ac04.tcjc.cc.tx.us>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

HAMCOM Boundees can access the local weather on the HAMCOM INFO page at

http://www.k5rac.org/HAMCOMinfo.htm

73 Joe KK5NA

-----Original Message-----
From: David Kreinberg <kreinbd@ccgate.dl.nec.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Wednesday, June 09, 1999 9:48 AM
Subject: HamCom weather report

>
>Dear HamCom bound gang,
>
>Bring your favorite sunscreen. The extended forecast
>calls for:
>
>Friday: High => 90 Low => 70
>Sat. : High => 91 Low => 70
>Sun. : High => 90 Low => 70
>
>As usual around here, there always is a chance of afternoon
>thunderboomers.

>
>See you folks on Saturday!
>
>73 de Dave, NR3E
>QRP-L #25
>nr Dallas, TX
>

Date: Wed, 09 Jun 1999 11:49:26 -0400
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>, wb3aal@talon.net
Subject: [42361] TAC Contest Score AB8DF
Message-ID: <375E8D06.207C697A@hti.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

ENTRY FORM - DUE BY 15 JULY 1998. PLEASE ATTACH LOG SHEET.

CALL: AB8DF
NAME: Ed Kwik
LOCATION: Home location - Waterford, MI

MAILING ADDRESS:
Ed Kwik
1580 Larchmont Ave
Waterford, MI 48328

TELEPHONE AREA CODE OR COUNTRY PREFIX: 248

CATEGORIES ENTERED (NO MORE THAN 4 MAY BE CHECKED)

QRP |X|

QRPp |_|

TACTICAL |_|

HOMEBREW |X|

NEWBIE |_|

TOTAL QSOs (EXCEPT PA TACs) X 5 POINTS = 20 X 5 = 100
TOTAL QSOs WITH PA TACs X 10 = 4 X 10 = 40
TOTAL QSO POINTS = 100 + 40 = 140

TOTAL OF TACs AND Country prefixes = 18

MULTIPLY TOTAL QSO POINTS BY TOTAL OF TACS and Prefixes = 140 X 18 = 2,520
ADD 1000 POINTS FOR EVERY CATEGORY ENTERED TO ABOVE SCORE TO OBTAIN TOTAL
CONTEST SCORE = 2,520 + 1000 + 1000 = 4,520

Thanks for another fun contest. 20 meters was disappointing and 40 meters just started to open up when the contest was over. I did not try any other bands. On 20 I used my unmoded NC20 and on 40 my SW40+. Antenna was a 105 foot dipole at 40 feet. Thanks to all that I worked.

72's

Ed

Date: Wed, 09 Jun 1999 12:41:23 -0400
From: Ken Edwards <ken.edwards@oit.gatech.edu>
To: qrp-l@Lehigh.EDU
Subject: [42362] Re: 2020
Message-ID: <199906091639.MAA02407@oit.gatech.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

OK...I feel compelled to add my 2 cents to this thread.
Everyone is entitled, of course, to their own opinions, and to formulate said opinion on what radio to purchase based on whatever algorithm may work for them.
Having said that, I must take exception to the comment that the Index Labs QRP+ should "never have seen the light of day"/ and "useless in a contest situation". I have enjoyed the heck out of my QRP+ and ++. It may NOT be perfect (...what radio is?...), but it certainly seems to have served to fill a market niche in the QRP facet of the hobby.
It works fine in the contests that I work and I am very glad that it made "the light of day".
--Ken WA4SQM

Date: Wed, 9 Jun 1999 09:52:46 -0700
From: "Denis Englander" <ko6gf@slip.net>
To: <qrp-l@lehigh.edu>
Subject: [42363] Antique Radio Display
Message-ID: <000d01beb298$81095c40$ac0fd1d1@net.slip.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi all....

Not QRP, but radio gems anyway...

A beautiful display of antique radios at the San Francisco International Airport - as you travel along the path which leads to United Airlines Gate 79 as though you were going to meet somebody on an arriving flight.

United Airlines is near the green color "F" Short Term parking lot area.

You will have to pass through the security checkpoint, for which I left my 2" pocket knife and extra change in my car. I did show them my Ham HT, no problem. Hah.

Large and small of various types, wooden to Bakelite, with broadcast studio mikes on display as well as absolutely wonderful crystal sets of all types. They even have some tapes running of old broadcasts for your listening pleasure.

So, for the $3.00 parking fee, a chance to visit SFO, watch the planes move around with all of the ground vehicles, catch some dispatch chatter on the HT, and witness some great radio pieces...plus all of the eyeball DX...Bonus Round!

Move quickly on this one, since the display will leave soon! You might want to check first before making the trip and spending the parking money. (The $3.00 got me about 1 hour - your mileage can vary.)

Radio - Radio - "It's all good!"

72/73 de ko6gf - Denis in SF

Date: Wed, 09 Jun 1999 11:00:42 -0500
From: Dave Sjolin <sjolin@swbell.net>
To: fantbb@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42364] Re: Propagtion thoughts
Message-ID: <375E8FAA.5601F651@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jeff wrote:
>
> The last couple of nights I have been on 20 meters and have heard
> various DX stations. Two stations that came in loud and clear were
> from Sweden and Hungary.
> Last night after turning off the rig I got to thinking. Why were
> there only one station from Sweden and one from Hungary? If one could
> get through the ether why not more? I mean I worked a Hungarian
> station last week so it's not a matter of power.
> It seems we should hear a number of them coming through at a time.
> Just kinda wondering about that. Any thoughts?
>

Could be that most of those wanting to talk to US were on 40 meters or
perhaps 80.

Also remember that it is middle of night there. ALthough for Sweden that
woudlnt make much differnce in terms of propagation since they are in
the land of the midnight sun right now and probably have propagation
somewhere in the world most of the time.

Some of it maybe power, antennas, and location. Its amazing how many
more stations the big contest stations here work that most of us dont
even hear.

73 de Dave, N0IT

Date: Tue, 9 Jun 1998 13:04:49 -0400
From: Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>
To: qrp-l@Lehigh.EDU

Subject: [42365] TOEW Grid Contest
Message-ID: <v03110705b1a3089dd73b@[132.235.81.146]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,
     There is a contest that is coming up this weekend that I thought might be of interest to all. The concept is really great, that of reporting grid squares, instead of country, etc. It should be good CW practice, too. This contest has probably not gained a lot popularity yet because it is fairly new, but it is a promising one.

NS8O

TOEC WW GRID CONTEST

The Top Of Europe Contesters (TOEC) hereby has the pleasure to invite all amateur radio stations world wide to participate in the TOEC WW GRID CONTEST. The contest is divided into two separate events, one for CW and one for SSB. In 1994 the very first attempt was called "TOEC field contest", but the name was changed because many stations was confused by the name and thought it was a field day. The word GRID is also probably more well known on a world wide basis.

DEFINITION: A "grid" is a 2x1 degree square, and a "field" is a 20x10 degree square as defined by the Maidenhead system. Your national amateur society does probably have more detailed information on grid squares.

DATE: CW: 4th weekend in August.
SSB: 2nd weekend in June

TIME: Saturday 12.00 - Sunday 12.00 UTC

CLASSES:

1) Single Operator. Packet Cluster is not allowed. Stations using packet is regarded as multi-operator.
   a) All band
   b) Single band
   c) Low power, only all band. Maximum output power 100 W.
2) Multi Operator. Only all band. All stations must be located within 500 meters diameter.
   a) Single Transmitter. Stations must remain on a band for at least

10 minutes. Faster QSY allowed only for a new multiplier on another band.

b) Multi Transmitter.

3) Mobile stations. Only single op all band. If more than one field is activated, all stations may be contacted once per field and band. The log must clearly show the fields activated.

Mobile stations includes both /M and /MM stations.

AWARDS: The winner in each country (or US/VE call area) and class will receive a certificate, providing that a resonable QSO total has been acheived.

BANDS: 160 - 10 meter (no WARC).

Keep the following frequencies free from contest traffic:
CW 3500-3510, 7000-7010, 14000-14010, 21000-21010, 28000-28010
SSB 3600-3650, 3790-3800, 7040-7045, 14100-14125, 21100-21175, 28200-28300

EXCHANGE:

RST + grid identifier according to the Maidenhead system, i.e. 599 JP73 (two letters + two figures)

MULTIPLIERS:

Each field (ie JP, KO, EM etc) worked gives 1 multiplier per band.

POINTS:

Fixed stations
QSO with stations outside your continent gives 3 points.
QSO with own continent (including QSO with same country) gives 1 point.
QSO with mobile stations gives 3 points, regardless of QTH.

Mobile stations
All QSO's gives 3 points.

Each station can be contacted once per band.

Exception: Mobile stations (both /M and /MM) may be contacted again,
providing that the mobile station has changed field since the previous QSO. These additional QSO's gives no QSO points, only multiplier credit. Note! Mobile stations may credit QSO points for additional QSO's.

FINAL SCORE:

Multiply the total QSO point score with the number of fields worked

on all bands.

LOGS:

The log must be checked for dupes, correct scoring and multiplier credits. Indicate the multipliers only the first time they are worked. Use separate logs for each band. Include a summary sheet with the regular contents, and a dupe-sheet for all bands with more than 300 QSOs.

The log may be submitted on DOS-formatted disks. Use ASCII, CT or N6TR style files. Name the file with your call. (i.e. SM3SGP.LOG) Enclose a signed summary sheet. Send a SASE or SAE+1 IRC if you want confirmation that the log has been received.

Logs can also be submitted via e-mail. Send the file in the same format as above to the following address:

TOEC.Contest@pobox.com

A confirmation message will be sent to confirm that the log has been received.

DEADLINE:

The log must be postmarked not later than 30 days after the contest.

ADDRESS:

TOEC
Box 2063
S-831 02 Ostersund
Sweden

********** Amateur Radio **********
*   <><   *
*   NN   N SSSSSSS 8888888 OOOOOOO Greg Weinfurtner   *
*   N N   N S   8   8 O   O   9411 Kitty Ln.   *
*   N N N SSSSSSS 8888888 O   O   Athens, Ohio 45701   *
* N   N N   S 8   8 O   O   U.S.A.   EM89WH   *
* N   NN SSSSSSS 8888888 OOOOOOO   DXCC WAS   *
*   *
*   "Can thou send forth lightnings that they may go and say   *
*   unto thee, 'Here we are'?" Job 38:35   *
*   *
*   ns8o@qsl.net   *
*   http://www.qsl.net/ns8o/index.html   *
*   http://ouvaxa.cats.ohiou.edu/~weinfurtner   *

****

Date: Wed, 09 Jun 1999 17:10:14 +0000
From: wd8civ@att.net
To: qrp-l@lehigh.edu (QRP-L Mailing List)
Subject: [42366] Re: Business opportunity?
Message-ID: <19990609171822.EPCO26996@webmail.worldnet.att.net>

> It might be a problem finding a pcb board house that can shear boards
> smaller than 1.5" X 1.5" though. That seems to be the smallest sized
> board most are willing to do...

Steve,

If I were going to go into that business, I'd pay the bucks
to rent or buy a shear. It's not like the outer dimensions are THAT
critical.

Dave

Date: Wed, 09 Jun 1999 10:24:54 -0700
From: Allan G Taylor <k7gt@qsl.net>
To: weinfurt@oak.cats.ohiou.edu, qrp-l@lehigh.edu
Subject: [42367] Re: TOEW Grid Contest
Message-ID: <375EA366.4714@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

A carefully reading of the message and a check to the SM3CER contest
site confirms that this weekend of the TOEW grid contest is the SSB
one. You will have to wait until August for that code practice...

Allan K7GT
--

      k7gt@qsl.net   /| /599| \   DXCC and WAS 40/cw
    Pleasanton CA   /_|/____|___ http://www.qsl.net/k7gt
 ...QRO, QRP, or barefoot..... [\--======-/
 ~~~~~~

Date: Wed, 9 Jun 1999 12:40:52 -0500
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: <fantbb@yahoo.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [42368] Re: Propagtion thoughts
Message-ID: <004301beb29f$392c47a0$5e37a497@aa5tb>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The rest of the stations were probably asleep. Based upon your comments it
was probably before sunrise where the stations were that you were listening
to. I don't know about you, but you usually won't find me on the air DXing
before sunrise. When I do get the chance to get on the air that early it
can be very interesting though.

73,
Steve Yates
AA5TB
Fort Worth, TX - EM12gs
http://home.swbell.net/aa5tb

Date: Wed, 9 Jun 1999 13:47:08 -0400
From: Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>
To: qrp-l@Lehigh.EDU
Subject: [42369] TOEW Contest mistake! SSB this weekend
Message-ID: <v03110706b38457513ec2@[132.235.81.146]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Sorry gang,
     OOOPS! This weekend is SSB! Thanks to Allan K7GT for catching my
mistake.
 ~~~~~~

My computer internal clock was set back one year and I forgot to change it back to '99 before I sent that last message to the group.

I reset the clock...

72 de
NS8O

Date: Wed, 09 Jun 1999 13:48:33 -0400
From: sergio <sruiz@bright.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42370] Re: Shear Critter
Message-ID: <375EA8F1.708FE3E3@bright.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> Since I bought a shear this week, let me give
> you the info as I have gotten email on it
> inquiring about it.

this brings me to something i have been meaning to mention..

i work at a printed circuit board manufacturing facility, and have access to tons of scrap pieces of double sided laminate.. they range from tiny to around 4"x8" and anywhere in between.. this stuff just gets thrown in the trash...

if anyone would be interested in this stuff, let me know, and i will send some...

i dunno what the price is on this stuff (market) is.. but, since it's going in the hopper, someone might as well build on it..

the only thing i would ask is if anyone interested would pay shipping..

anyway... let me know..

sergio
kb8qpt

--

___
peace,
sergio
http://www.bright.net/~sruiz
"the village buzz"

Date: Wed, 9 Jun 1999 11:05:30 -0700
From: "Kory Hamzeh" <kory@avatar.com>
To: <qrp-l@lehigh.edu>
Subject: [42371] RE: Antenna question
Message-ID: <002201beb2a2$a96d20e0$14ce21c7@tomcat.avatar.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I wanted to thank every one for sending me their suggestions. All were very
helpful. I *think* I'm going to go with a high sierra hs-1500. I can use it
on the outpost tripod and if I decide, I can install it on the RV also.
Anyone have a hs-1500 for sale?? :-)

Thanks & 73's,
Kory
AC6RN

Date: Wed, 9 Jun 1999 11:44:24 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <w1rfi@arrl.net>, <qrp-l@lehigh.edu>
Cc: <k1zz@arrl.org>
Subject: [42372] QRP Kit Specs, a suggestion how the ARRL can Contribute to QRP
Message-ID: <01beb2a8$1880d9e0$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Guys, I have been doing some research on my talk for HamCom this Saturday,

and I am shocked at the lack of information on Qrp Vendor websites about their products. Some of the specs are almost totally subjective?? Great audio, very stable, best receiver, as good as any, are a few of the comments. Some do a good job, but on the whole it is lacking. But, there is a solution. Bear with me. A few years ago, the ARRL did a comparison of some of the kits, and I think the time is right to do it again. How about it Ed, what would it take to get the ARRL to measure the specs on the kits? How about if each kit manufacturer sent a built kit to the league for measurement? That way, they know that it is built correctly, and you don't have to build all of those kits. But, you say in the article that each kit was built by the manufacturer, so it is upfront. While doing my research, the best specs were at S&S Engineering's site, and this is what it said:

S & S Engineering ARK 40 40-Meter CW Transceiver
Manufacturer s Claimed Specifications
Frequency coverage: 7 to 7.15 MHz, 100-Hz tuning steps.
Mode of operation: CW.
Power requirement: 10 to 13.8-V dc; 0.4 A on receive, 1 A on transmit.
Receiver
CW receiver sensitivity (bandwidth not specified, 10 dB (S+N/N): 0.3 *u*V (-117 dBm).
Blocking dynamic range: >75 dB at 20-kHz signal spacing.
Two-tone, third-order IMD dynamic range: >90 dB at 20-kHz signal spacing.
Third-order input intercept: >10 dBm.
Receiver audio output: 1 W.
IF/audio response: Not specified.
Image rejection: >60 dB.
Transmitter
Power output: 3 to 4 W typ, 5 W at 13.8 V dc.
Spurious-signal and hardmonic suppression: Not specified.
CW keying characteristics: Not specified.
Composite transmitted noise: Not specified.
Size (height, width, depth): 2.75x5.5x8 inches, weight 4 lb
Measured in the ARRL Lab
Frequency coverage: As specified.
Mode of operation: As specified.
Power requirement: At 13.8-V dc: 0.4 A on receiver
(no signal); 1 A at 4 W RF output
on transmit.
Receiver Dynamic Testing
Minimum discernible signal (noise floor) with 600-Hz IF filter:
-127 dBm.
Blocking dynamic range with 600-Hz IF filter:*
95 dB.
Two-tone, third-order IMD dynamic range with 600-Hz IF filter:*
95 dB.
14.2 dBm
0.7 W at 1% THD into 4 hertz.

At -6 dB: audio filter off, 696-1304 Hz (608 Hz); audio filter on,
   647-880 Hz (233 Hz).
62 dB.
Transmitter Dynamic Testing
Maximum power output, 5.9 W at 13.8 V dc.
41 dB. Meets FCC specificatoins for equipment in its power output class and frequency range.

(End of Info from S&S Web Page)

Now, if we could get the ARRL to start by testing the following kits, we would have a very valuable piece of literature. I suggest that we start with single band, full featured QRP cw transceivers. Here is the list that I have. Do you know of ones that I have missed that should be here? (Note that the SST, SWL+ kits are in a lower price class, and probably should be considered as a separate entity, along with the Ramsey and Vectronics kits.)

Emtech - NW8020 series
Kanga US - GQ40
Morse Express - OHR 100A
Red Hot Radio - Red Hot NC20
S&S - TAC-1
S&S - ARK40
Small Wonder Labs - DSW40
TenTec - TT1340
Wilderness Radio - NorCal 40A

I invite your comments. 72, Doug

Date: Wed, 09 Jun 1999 11:48:49 -0700
From: Allan G Taylor <k7gt@qsl.net>
To: qrp-l@lehigh.edu
Subject: [42373] TOEC Grid contest in August
Message-ID: <375EB711.5C48@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Responding to a recent post regarding the TOEC Grid contest, I looked it up on a contest webpage to confirm the date(s). It is being held August 28-29 (1200-1200UTC). As it happens I will be out for another field romp and operating as K7GT/p (in Sequoia park this time) that Saturday already. (Yeah, yeah, Allan, what's your point...)
Well, I would propose that the QRPers have a contest within a contest

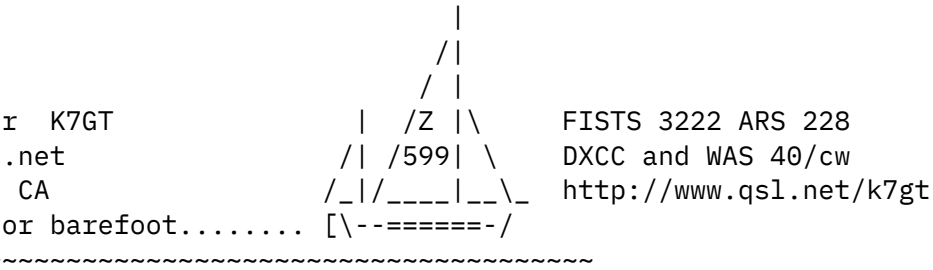
for 1) a QRP class, and 2) with scoring by grid squares worked rather
than grid fields. Unofficial, of course! A grid field, for the
as-yet-uninitiated, is a 10 degree in latitude by 20 degree in longitude
region on the earth's surface. For the contest I will be operating in
DM07, a nice grid square containing fantastic canyons, very large
trees, and high altitudes. But the field, DM, also includes the
Los Angeles basin. (Booh, too much competition!) Anyway, for those
of us who barely get out of our grid field, it puts more meat in the
contest to tweak it this way. Oh, another idea: triple points for
portable as well as mobile stations. (Mobiles are worth 3 pts to
both sides of a contact by the TOEC contest rules).

OK, I have my flak jacket on. If no consensus develops for this, I will
simply note grid square worked for my own entertainment.

(I may have the K2 going by then...!)

73 and GL

Allan K7GT
--



Date: Wed, 09 Jun 1999 12:54:50 -0600
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: qrp-l@Lehigh.EDU
Subject: [42374] Kitchin on the ElmeRadio
Message-ID: <375EB87A.993A476E@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Below is Kitchin's comments (and my replies) on the
ElmeRadio.

Charles

Thanks, and sorry about misspelling your name. It was either

very late or very early
when I made the document.

> I guess I still do not understand what advantage the TL431 has over the LM386.
> LM386's are maybe 30 cents at Digi-key and easily drive a speaker. It would be a
> nice if all the parts could be purchased from just one or two suppliers.

You are right the LM386 is a better part, but the three terminal regulator and its
two associated resistors are easier to assemble in what is called the Paddy or
Manhattan style. The PCB that I am designing will be pads and traces only--no holes,
except for the big ones for mounting pots, etc. This is necessary if I want the
front panel to look nice. Printed out on yellow paper and laminated, it looks great!
Also, I think you will be amazed at the performance of the TL431 if you try it.

> You use a 1M Ohm pot for R1. That seems too high to me. A 200k or 500k might be
> a better choise.

Some AM signals are so strong, with an external antenna that the entire range of the
1M is needed to stop oscillations.

> Of course, a 1M pot will surely compensate for any variations
> in transistor GM...so many types could most likely be used here. Still.. don't
> you find that you're using only the last turn or two of the control?

The 1M pot is an Audio taper. It is wired so that as it is turned clockwise the
resistance decreases. This places the range from about 200K to 50K right in the
middle of the regen control. It seems to be about right.

> There's a typo in my name (Kitchin...not Kitichin)...thanks very much for giving
> me credit here.

Sorry. Sometimes I misspell my own name. I could not sleep at night if I didn't
give credit where it is due. Charles Wenzel was also appreciative, and I am most
grateful to both of you.

> Capacitor C5 is quite large.

You are right. But sensitivity went down dramatically when its value was reduced. I
do not understand this, but I am sure of it.

> Also...this is a polarized cap right?? So the +
> terminal should go to R3...you need to show this in your schematic.

You are correct. Right now C5 is a film capacitor. I plan on using an electrolytic.
It is shown incorrectly. Thanks for pointing this out.

> But..in my original design, I needed to use a 0.01 microFarad cap in series with
> the
> 1N34...larger values loaded down the regen stage and smaller values gave very
> weak audio.

This could explain why the regen is not as smooth as it should be. I'll play with C5
and see what happens.

> So, this cap value may be fairly critical. If you haven't done
> this yet, you may want to try other cap values here...and see what givres the
> best results.
>
> Your overloading problem is surely due to the detector being overdriven through
> C1. The right way to cure this is simply to couple-in LESS signal. I wonder if

> your C1 cap is some other value than what you think it is.

C1 is a 4.7mF COG (NPO) ceramic. The value is correct.

> On my original

> circuit, I used a 5pF for external antenna and no cap at all for a 39 inch whip.
> But that was for short wave frequencies. For AM band you would expect to need
> maybe 3 or 4X larger value for C1 (15-20pF). Of course, AM band stations are
> much stronger. Why not try a winding a turn or two of hook-up wire around the
> ground end of the loopstick and then ground one end of the wire and connect your
> external antenna to the other? This might work better...it's certainly easy to
> try.

You are right. I will try that.

> Actually....looking at your diagram it looks like your loopstick already
> has a second small winding...why not use that? Link coupling is much more
> efficent, greatly reduces out of band interference and saves you one additional
> component.

The second small coil on the loopstick was tied to the bigger coil and used as a
tap. This saves very inexperienced builder from the tedium of winding a fairly high
inductance coil. A few turns of insulated wire for a link coupling will be a simpler
task.

> On the audio volume control, my "vote" is to use a standard pot between the 1N34
> and the (gate??) input of the TL431.

I will try both methods. Your vote has been tallied.

> Yes, Sony Walkman headphones are really the best...they are the only ones I use
> with my receivers.

I have used them for years even on my stereo equipment. Unless you are willing to
spend big bucks, they can't be beat.

> You should try contacting FAR circuits to see if they will supply a low cost PC

> board for this project. A PC board is a real MUST for
group construction!

This was also suggested by Doug Hendricks. I plan to do it
soon.

> Best of luck on your project.

Thanks. You cannot believe the response I have received in
the last two days.
Hopefully, many will build the radio--best way I know of to
improve it.

Thanks Again

Bruce kk7zz

Date: Wed, 9 Jun 1999 15:09:01 -0400
From: "George F. Allgood" <k4pym@carol.net>
To: "low power discussion" <qrp-l@Lehigh.EDU>
Subject: [42375] Fw: Archive Disk
Message-ID: <002601beb2ab$8e12c8a0$a3cbeed0@204.116.183.2.carol.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

-----Original Message-----
From: George F. Allgood <k4pym@carol.net>
To: : qrp-l@Lehigh.EDU <: qrp-l@Lehigh.EDU>
Date: Wednesday, June 09, 1999 3:00 PM
Subject: Archive Disk

>QRP-L'ers
>
>If you have not already made arrangements to get a copy of the QRP-L
Archive
>disk.......do it.
>This is a great resource for both historical and future reference use.
>The indexing

>feature enhances the value of the material in no small measure.
>Received my disk today from WB8RCR ....Thanks, John. And Thank You to
>Chuck, K5FO for all you have done to make it possible.
>72,
>George K4PYM
>Walhalla, SC
>

Date: Wed, 09 Jun 1999 12:14:15 +0000
From: Scott Gregson - KC7MAS <emtech@steadynet.com>
To: ki6ds@dpol.k12.ca.us, qrp-l <qrp-l@lehigh.edu>
Subject: [42376] Re: QRP Kit Specs, a suggestion how the ARRL can Contribute to QRP
Message-ID: <375E5A97.17CA98C8@steadynet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

"Hendricks, Doug" wrote:
>

> Emtech - NW8020 series
>

Emtech's kits are NOT NW8020's, they are NW80, NW40, NW30, NW20. The NW8020 is the Dan's small parts version - the NWxx and NW8020 radio kits are similar, but not obtainable from the same sources, nor is the NW8020 anywhere near the radio that the NWxx series is. Roy Gregson designed both radios, but the NWxx series are the latest examples of his work.

Of course many others had input into features and implementation of features.

It is sorta like the Index/Index Plus VS. the SGC2020, same designer, similar radio?? but different.

Just trying to clarify the difference.

As far as the spec thing goes, I'd be happy to provide a radio for such testing.

--
Scott Gregson - KC7MAS
emtech@steadynet.com

http://emtech.steadynet.com
++++++++++++++++++
Scott Gregson Co. / Emtech / CFC
1127 Poindexter Ave W
Bremerton, WA 98312

Date: Wed, 09 Jun 1999 19:12:01 +0000
From: wd8civ@att.net
To: qrp-l@lehigh.edu (QRP-L Mailing List)
Subject: [42377] Re: Shear Critter
Message-ID: <19990609191335.OIHW15544@webmail.worldnet.att.net>

> i work at a printed circuit board manufacturing facility, and have
> access to tons of scrap pieces of double sided laminate.. they range
> from tiny to around 4"x8" and anywhere in between.. this stuff just gets
> thrown in the trash...
>
> i dunno what the price is on this stuff (market) is.. but, since it's
> going in the hopper, someone might as well build on it..

Sergio,

The surplus electronics place here in Rochester gets about
$0.04 per square inch for copper on one side, although the
pieces are bigger. (I bought a 4" by 30" piece a few
months ago.)

I've seen places that sold it by the pound, too.

Dave, WD8CIV

Date: Wed, 09 Jun 1999 12:39:54 -0600
From: Larry East <w1hue@amsat.org>
To: qrp-l@lehigh.edu
Subject: [42378] Super Efficient Amp
Message-ID: <3.0.3.32.19990609123954.0093c3d0@axp1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>From a recent post:
>The inexpensive I.C. puts
>out about 2 watts into an 8 ohm speaker or headphones. The amp runs on a +9v
>battery or +12v DC input and draws 6ma and 9ma respectively.

Boy!! Wish I could get that kind of efficiency from an RF amp! :-)

(Yeah, I know; 9mA is the idling current -- but I just couldn't resist! :-)

Date: Wed, 09 Jun 1999 15:01:29 -0500
From: "Brad Bradfield, PE" <b_bradfield@yahoo.com>
To: zlau@arrl.org, qrp-l@lehigh.edu
Subject: [42379] Re: Large format photographs?
Message-ID: <375EC817.37437527@yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Zack - -

I personally like large format photos in either analog (make that direct negative to print) or digital formats. The one thing I do hate though is imaging found on some web pages that is way bigger than any standard screen format. This obviously makes it very difficult to view, and impossible to print. The resolution on large format stuff (like 4x5) is truly impressive, just keep it to not larger than "standard" screen size.

But then I cut my teeth shooting live sports photos with a 4x5 Speed Graphic!

72's es 73's,

Brad, W5CGH

Date: Wed, 9 Jun 1999 12:36:37 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: "Scott Gregson - KC7MAS" <emtech@steadynet.com>, "qrp-l" <qrp-l@lehigh.edu>
Subject: [42380] Re: QRP Kit Specs, a suggestion how the ARRL can Contribute to QRP
Message-ID: <01beb2af$639850a0$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0

Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Scott, my apologies for the screwup. I just have always called the rig that name, and you are right in the difference. The Emtech rig has many, many features that your Dad put in that were not in the orignial Dan's Small Parts rig. By the way, the Emtech rig has some good info on their spec sheet done by Paul Harden, NA5N. Scott, my apologies to you and your company. The NW40 and other rigs by Emtech are an excellent radio and a fun kit to build. The manual is outstanding. 72, Doug, KI6DS

Date: Wed, 9 Jun 1999 12:44:27 -0700 (PDT)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [42381] Re: Propagtion thoughts
Message-ID: <19990609194427.27982.rocketmail@web112.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- "Steve Yates, AA5TB" <aa5tb@swbell.net> wrote:
> The rest of the stations were probably asleep. Based upon your
> comments it
> was probably before sunrise where the stations were that you were
> listening
> to.

I was mentioning it in a more general sense. I have worked DX at different times of the day. But always seems like there are only 1 or 2 from the same country on. I can't believe that there are only 1 or 2 hams on the air from one country at a time. Then again at 3am their time that might be true. 8-) It just makes one wonder...

> I don't know about you, but you usually won't find me on the
> air DXing before sunrise. When I do get the chance to get
> on the air that early it can be very interesting though.

When I can't get to sleep or get up early I like to go out to the shack and see what's on. Interesting what you can hear. I worked DX to Asia on 40 meters early in the morning. Worked Europe late at night. Lot's of fun during those times.

Then again I only hear one or two stations on at a time. ;-)

Jeff

===
Jeff Jones
AB6MB
NorCal QRP Club #65, QRP-L #1780
CW Forever!!!
Ghost Hunter
Owner of the Delta MudCats fantasy baseball team
Long live Manchester United and the Oakland A's!!!!!!
_____
Do You Yahoo!?
Get your free @yahoo.com address at http://mail.yahoo.com

Date: Wed, 9 Jun 1999 15:49:14 -0400
From: "Tracy, Michael, KC1SX" <mtracy@arrl.org>
To: "'QRP Email List'" <qrp-l@lehigh.edu>
Subject: [42382] Re: QRP Kit Specs, a suggestion how the ARRL can Contribute to QR
     P
Message-ID: <8060D04206ABD2118C6800805FC743CC46A812@mail.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"

Just FYI for the list -

> Kanga US - GQ40
> S&S - TAC-1
> S&S - ARK40
> TenTec - TT1340
> Wilderness Radio - NorCal 40A

These have already been tested in the ARRL Lab (Jun 96, Jun 96, May 94, Sep
98 and Jun 96 respectively).

> Small Wonder Labs - DSW40

I don't think Dave has this ready quite yet (at least I haven't see a post
to the list saying it was available).

> Emtech - NW8020 series
> Morse Express - OHR 100A
> Red Hot Radio - Red Hot NC20

These are probably good candidates for another QRP comparison review, but I'll have to forward the "want" list to our Product Review Editor and see what he says.

In any case, I will be working on a QRP transceiver comparison table for the web page. Although that won't cover all of the specifications Doug has suggested, it will be a good start. It helps that 3 out of 4 ARRL Lab guys are QRPers - the other one we're still working on.   :-)

72, Michael Tracy, KC1SX

Date: Wed, 09 Jun 1999 15:51:58 -0400
From: Laura Halliday <lha@sdr.utias.utoronto.ca>
To: qrp-l@lehigh.edu
Subject: [42383] Re: Power supply question for kits?
Message-ID: <3.0.6.32.19990609155158.007b28d0@madrox>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I recently bought a new power supply for a computer, and was impressed at the specs (5V @ 25A, 12V @ 10A, etc. - it's for a P233 MMX motherboard), the price ($CDN29.95) and the weight of the thing (nothing - less than 500 grams). The new supply is rated at 250W, and weighs *less* than the wimpy 150W 486/66 power supply it replaces.

Of course I thought about other applications. What ham wouldn't? :-)

The usual switching power supply gotchas apply - minimum load (already mentioned) and noise.

<soapbox>

This is an example of a technology we should exploit. Computer switching power supplies are mass produced, so thay are ridiculously cheap and readily available. They are also light and extremely powerful. We should make better use of them, in the best ham tradition.

</soapbox>

Laura Halliday VA3LDH   "Que les nuages soient notre pied
Grid: FN03gs   a terre..." - Hospital/Shafte

Date: Wed, 9 Jun 1999 16:27:35 -0400 (EDT)
From: Chris Cartwright Sr <ccart@phideaux.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42384] Re: Propagtion thoughts
Message-ID: <Pine.LNX.4.04.9906091609230.16999-100000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 9 Jun 1999, Jeff wrote:

> Then again I only hear one or two stations on at a time. ;-)

That's when some of my best QRPp CQ'ing gets done. Sometimes I'm the only one who hears it, other times...

Last night (just before the Tuna Tin II chase) I heard a ZL on 15 about 559, tried with no luck. Listened a while, and heard "PWR IS 300W ES 7 EL BEAM" so I figured my 50' wire in the tree and 3W wasn't going to do it :)

When conditions "should" be good, and no one is there, call CQ! Set your self a time limit, say 15 minutes, and call, and keep calling. I've had a lot of good QSO's start at the 13 or 14 minute mark.

One word, Tenacious... look it up.

72

-- Chris Cartwright,   Technical Engineer | ccart@phideaux.com   --
-- N3XRV   ARRL-VE   Norcal Zombie #163 | Gaithersburg, MD FM19je   --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

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Date: Wed, 09 Jun 1999 15:21:49 -0500
From: "Chuck Carpenter" <w5usj@globeco.net>
To: weinfurt@oak.cats.ohiou.edu, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [42385] Re: TOEW Grid Contest
Message-ID: <3.0.2.32.19990609152149.006b9654@bosshog.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

If the ARRL VHF QSO Party doesn't work out this week end, this should be a good one to try too.

>   the TOEC WW GRID CONTEST

Using grid squares on HF is a good idea. You get a better idea of location from the grid and even better if the subgrid is also used.
72/73 Chuck - W5USJ - EM22cv - Rains County - Point, TX

Date: Wed, 09 Jun 1999 13:37:22 -0700
From: Eric Swartz WA6HHQ - Elecraft <erics@elecraft.com>
To: EleCraft mail list <elecraft@qth.net>
Cc: QRP-L <qrp-l@lehigh.edu>
Subject: [42386] K2 manual now available in PDF format
Message-ID: <375ED082.8E26AF63@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

We've put the K2 manual in PDF format on our web site,
http://www.elecraft.com

72, Eric WA6HHQ
(Currently neck deep in K2's about to ship..)

Date: Wed, 09 Jun 1999 15:34:27 -0500
From: "Ed Manuel (N5EM)" <n5em@flash.net>
To: qrp-l@lehigh.edu
Cc: hqrp@stevens.com
Subject: [42387] Hamcomm Award Presentation
Message-ID: <4.1.19990609152914.00a59d40@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

Those who were at FDIM will remember my accepting the beautiful Foxhunt trohpy for the Houston Hounds, 1999 winner of the QRP-L Foxhunt (none of whom could make Dayton).

Well, in order to officially present this trophy to the deserving bunch from Houston, we have made arrangements for Chuck Adams to present the trophy during the first forum session between 9:00 am and 9:30 am Saturday morning.

You'll want to be there, not just to see the Houston bunch obtain a year's worth of bragging rights, but to see this masterpiece. We wanted to

present it so potential foxhunters could get an eyeful of the prize and be motivated for the next years event.

So, don't oversleep! Grab your coffee and hoof it to the first session on Saturday morning.

Ed, N5EM

Date: Wed, 09 Jun 1999 20:39:48 +0000
From: wd8civ@att.net
To: qrp-l@lehigh.edu (QRP-L Mailing List)
Subject: [42388] Re: Power supply question for kits?
Message-ID: <19990609204033.HDSC26996@webmail.worldnet.att.net>

> I recently bought a new power supply for a computer, and was
> impressed at the specs (5V @ 25A, 12V @ 10A, etc. - it's for
> a P233 MMX motherboard), the price ($CDN29.95) and the weight
> of the thing (nothing - less than 500 grams). The new supply
> is rated at 250W, and weighs *less* than the wimpy 150W 486/66
> power supply it replaces.

Laura,

Is this for mounting inside the computer cabinet, or is an external brick?

> This is an example of a technology we should exploit. Computer
> switching power supplies are mass produced, so thay are ridiculously
> cheap and readily available. They are also light and extremely
> powerful. We should make better use of them, in the best ham
> tradition.

Absolutely. "You never really know how to use a tool unless you know 3 ways to abuse it." (Grin)

Switching PS problems ARE solvable for communication work.
Actually, newer technology (i.e. faster high-current switches,
which make the smaller & lighter supplies possible) also
makes some of the noise problems easier to deal with, too:
1) Because the higher frequencies are easier to filter with
a lowpass filter.
2) Because the harmonics of the switcher are farther apart.

Also, emission regulations by the FCC and equivalent bodies
worldwide have become more stringent, making the beasts
quieter "right out of the box."

Another benefit of switching regulators, if one is inclined
to roll their own, is that they may boost the voltage as
well as reduce it. Thus, a 12 volt 10 amp supply could
be built to run on an input anywhere from 6 to 48 volts
DC. (Of course, it would draw > 20 amps at 6 volts, but
that's better than the alternative - no radio!)

Hmmm... methinks I have a new project to do now. Thanks!

Dave, WD8CIV

Date: Wed, 09 Jun 1999 16:42:14 -0400
From: sergio <sruiz@bright.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42389] copper clad laminate - meeeowza!
Message-ID: <375ED1A6.5447ECF3@bright.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

ok... here's the scoop...

i have been overwhelmed with requests to the point where it is hard to
keep track of them..

here's what i think is an easy to track offer..

anyone who would like me to send them some scrap stock (kind of a grab
bag full) just drop a check or money order for $3.20 to me in the mail..
i will return a mailer (the big kind) from the post office.. priority
mail filled with assorted (all usable) pieces..

i think that sounds easy enough..

i have a very busy schedule, so it's really tough for me to say that i
will mail them the same day, but it will be within a day or at most,
two.. of the order..

you can look up my call (kb8qpt) on any server but make sure it's the
new one.. the one on walnut street in ashland.. i don't want to go
posting it to the list..

or! you can email me, and i will send you my mailing address..

you know.. for years, i worked as an environmental engineer for the pwb industry, and i have always wondered what i could do with this stuff that would keep from landfilling it. this might just be the ticket..

anyway.. here's what i think would be a cool kickback..

(start sob story)

two years ago, my wife ran off with my best friend.. (yeah! just like on melrose place!).. anyway.. in the divorce proceedings.. i didn't really ask for anything but my drums, guitars, and ham equipment.. well, somehow, in all the muckity muck, i never got my radio gear back.. (well, i did get my 2 m rig back.. whoopee...)

anyway.. wife runs off with my gear.. i work as a systems programmer/analyst during the day.. but at night, i play in a band, and publish a music magazine.. well, last year, i decided it would be cool to own a record store, so i bought one.. bad idea.. i closed it after a year, and am having hell paying it off... but! it's all getting paid off..

the moral of the sad story.. i want to get back on the air so bad, i can taste it.. but! i have no dough after all the dumb record store bills are paid..

so! if anyone who sends their dough in will also send a buck or two, i will put this money aside for a new rig.. currently i am looking at the sw40..

how does that sound?

we help clean up the environment..

everyone who wants to build gets laminate...

and! i get back on the air..

i don't think that this is a deal that will wreck my karma..

anyway... i hope this all sounds easy enough, and i hope to be on the air soon...

the final moral of the story.. just cuz the judge says you're gonna get it, doesn't mean you really are..

but! i did get my guitars and drums..

--

---
peace,
sergio
http://www.bright.net/~sruiz
"the village buzz"

Date: Wed, 9 Jun 1999 16:39:48 -0400
From: Jerry Henshaw <jhenshaw@bellsouth.net>
To: "'QRP List'" <qrp-l@Lehigh.EDU>, "'elecraft@qth.net'" <elecraft@qth.net>
Subject: [42390] K2 Portable in Switzerland
Message-ID: <01BEB296.B1FAE140@host-216-77-217-111.fll.bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,

I will be operating portable HB9 from Montreux, Switzerland from June 11th
through June 16th. The new FCC rules allows easy operation in Europe!!
So listen for me on 20 meters 14.060 + - QRM in the mornings or afternoons
in the states. I will be operating my K2 and signing as KR5L/HB9/P CW only,

72's

See you on 20m!!!

Jerry Henshaw
    KR5L

Date: Wed, 9 Jun 1999 16:51:22 EDT
From: K2UD@aol.com
To: qrp-l@lehigh.edu
Subject: [42391] Speaking of S&S Engineering,
Message-ID: <d4ae38cb.24902dca@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Whatever became of their multiband synthesized rig they had at Dayton last

year? Seemed kinda like a competitor for the K2.

72

Howard Kraus, K2UD

Date: Wed, 9 Jun 1999 17:26:37 -0400
From: "Richard Brummer" <obvious@bestweb.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [42392] Re: copper clad laminate - meeeowza!
Message-ID: <005001beb2be$c2d93de0$2805b3d8@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>anyone who would like me to send them some scrap stock (kind of a grab
>bag full) just drop a check or money order for $3.20 to me in the mail..
>i will return a mailer (the big kind) from the post office.. priority
>mail filled with assorted (all usable) pieces..
>

Oh man, does this sound like a "Group Buy" or what !

Thanks, Sergio !

73,
Dick K2REB

Date: Wed, 09 Jun 1999 16:37:22 +0000
From: Tim Ahrens <tahrens@hilconet.com>
To: obvious@bestweb.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [42393] Re: copper clad laminate - meeeowza!
Message-ID: <375E9842.EFDCD263@hilconet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Don't forget to include a sticky return address label (minimize
his work!!!)

Thanks Sergio

Tim W5FN

Date: Thu, 10 Jun 1999 00:03:18 +0200
From: "Peter Zenker" <Peter_DL2FI@csi.com>
To: <K2UD@aol.com>, "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [42394] AW: Speaking of S&S Engineering,
Message-ID: <002b01beb2c3$ffac4780$34a19ec1@zenkerpn>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

There was a posting of them long time ago saying "time out on developement
due to too many commercial jobs in the moment"
Peter, DL2FI

> -----Urspr ngliche Nachricht-----
> Von: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]Im Auftrag
> von K2UD@aol.com
> Gesendet am: Mittwoch, 9. Juni 1999 22:51
> An: Low Power Amateur Radio Discussion
> Betreff: Speaking of S&S Engineering,
>
> Whatever became of their multiband synthesized rig they had
> at Dayton last
> year? Seemed kinda like a competitor for the K2.
>
> 72
>
> Howard Kraus, K2UD
>

Date: Thu, 10 Jun 1999 00:01:27 +0200
From: "Peter Zenker" <Peter_DL2FI@csi.com>
To: <jhenshaw@bellsouth.net>, "'Low Power Amateur Radio Discussion'" <qrp-

l@lehigh.edu>
Subject: [42395] AW: K2 Portable in Switzerland
Message-ID: <002a01beb2c3$fdf03fa0$34a19ec1@zenkerpn>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Hi Jerry,
would be glad to hear you, but I am pretty sure the CEPT rules advise to
sign the other way round
e.g. as HB9/DL2FI/p or in your case: HB9/KR5L/p

Peter, DL2FI

> -----Urspr ngliche Nachricht-----
> Von: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]Im Auftrag
> von Jerry Henshaw
> Gesendet am: Mittwoch, 9. Juni 1999 22:40
> An: Low Power Amateur Radio Discussion
> Betreff: K2 Portable in Switzerland
>
> Hi Gang,
>
> I will be operating portable HB9 from Montreux, Switzerland
> from June 11th
> through June 16th. The new FCC rules allows easy operation
> in Europe!!
> So listen for me on 20 meters 14.060 + - QRM in the mornings
> or afternoons
> in the states. I will be operating my K2 and signing as
> KR5L/HB9/P CW only,
>
> 72's
>
> See you on 20m!!!
>
> Jerry Henshaw
>   KR5L
>
>

Date: Wed, 9 Jun 1999 17:23:40 -0500
From: "Chris Cieslak" <ccieslak@law.uiuc.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [42396] Re: K2 Portable in Switzerland
Message-ID: <001e01beb2c6$ba266620$0f1215ac@classifiedventures.com>

"Complete information on CEPT and IARP operation, including an IARP
application form and a copy of the FCC Public Notice on CEPT, is
available from the International Operating page on ARRLWeb,
http://www.arrl.org/field/regulations/io/."

>From the ARRL bulletin. This is NOT a members-only page.

73, chris aa9hd

> Hi Jerry,
> would be glad to hear you, but I am pretty sure the CEPT rules advise to
> sign the other way round
> e.g. as HB9/DL2FI/p or in your case: HB9/KR5L/p
>
> Peter, DL2FI
>
> > I will be operating portable HB9 from Montreux, Switzerland
> > from June 11th
> > through June 16th. The new FCC rules allows easy operation
> > in Europe!!
> > So listen for me on 20 meters 14.060 + - QRM in the mornings
> > or afternoons
> > in the states. I will be operating my K2 and signing as
> > KR5L/HB9/P CW only,
> >

Date: Wed, 9 Jun 1999 18:51:52 -0400
From: "Jim Nestor" <nestoji@home.com>
To: <jhenshaw@bellsouth.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [42397] Re: K2 Portable in Switzerland
Message-ID: <00c201beb2ca$aa9b6080$5c500218@cc652944-a.ewndsr1.nj.home.com>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jerry,

Will look for your in HBPland.

You mentioned new FCC rules. Does this refer to final approval of CEPT? I have been waiting impatiently for over a year after they approved the concept, but haven't seen any details. Is there a Web site with more information?

I leave next week for a couple of weeks on business in Germany, France & Holland and might consider taking a QRP rig along, but haven't had time for the usual write & wait licensing game. I had a UK license but let it go because of the hassles of keeping it current. CEPT would be a big improvement for me.

72,

Jim, WK8G
nestoji@home.com

End of QRP-L Digest 1483
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